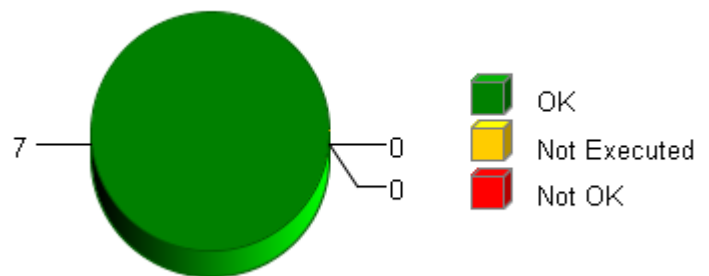


Summary

Total Test Objects: 7
Successful: 7
Failed: 0
Not Executed: 0
Date: 2015-10-26
Time: 11:16:51+0530

Overall Test Object Results (including Coverage)



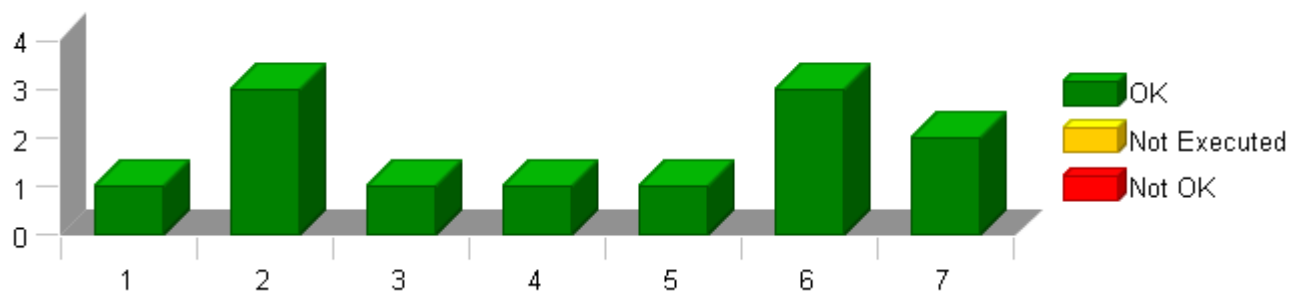
Selected Project Items

Test Object "CBD_UnitTest/FDD_Inertia/ADDCoefCalc"
Test Object "CBD_UnitTest/FDD_Inertia/DecelGain"
Test Object "CBD_UnitTest/FDD_Inertia/DriverVelCalc"
Test Object "CBD_UnitTest/FDD_Inertia/FilterCoefCalc"
Test Object "CBD_UnitTest/FDD_Inertia/FrqDepDmpnInrtCmp_Init"
Test Object "CBD_UnitTest/FDD_Inertia/FrqDepDmpnInrtCmp_Per1"
Test Object "CBD_UnitTest/FDD_Inertia/GenFddlcCmd"

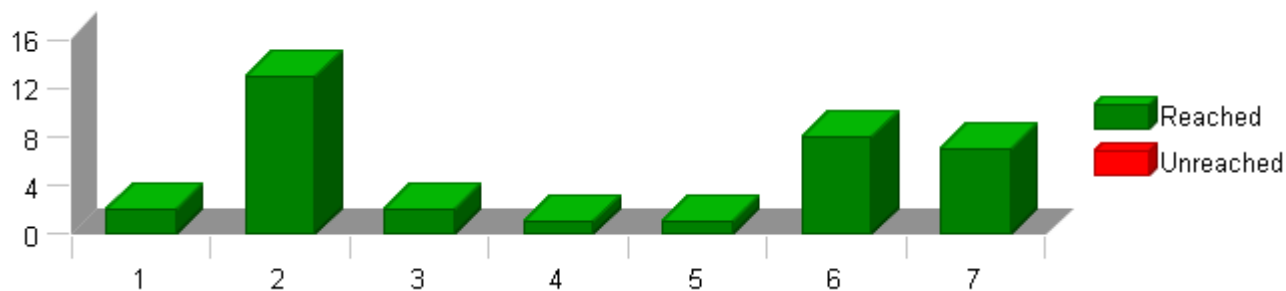
Used Test Environments

TI TMS 570 PLS UDE (Default)

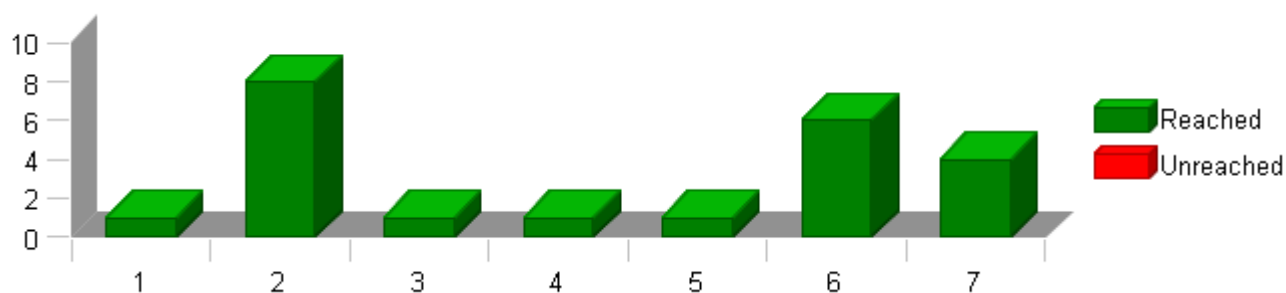
Test Case Results for Each Test Object (without Coverage)



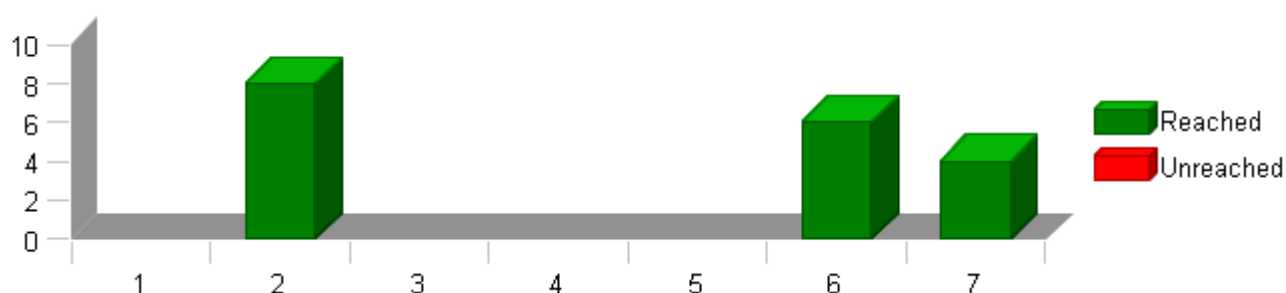
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

Statement (C0) Coverage: Total Statements for Each Test Object

The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

Branch (C1) Coverage: Total Branches for Each Test Object

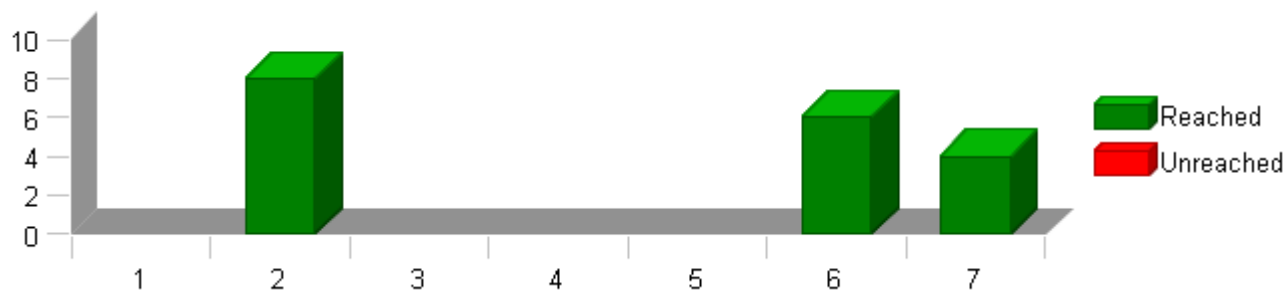
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

Decision Coverage: Total Decision Outcomes for Each Test Object

The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.

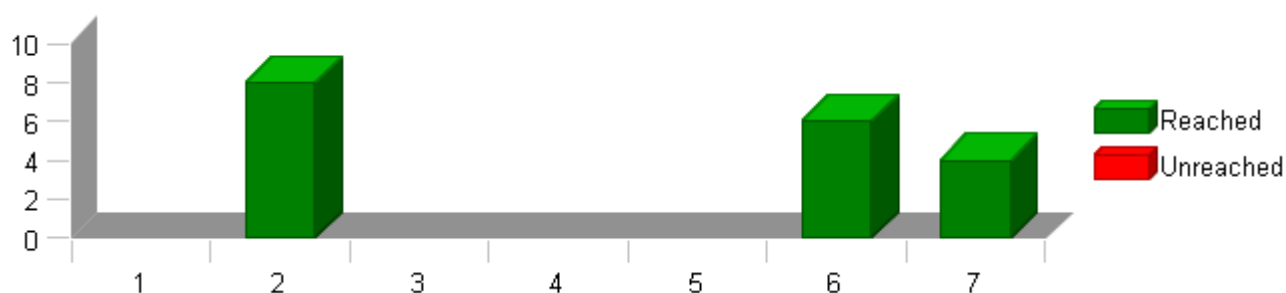
MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

TEST OVERVIEW REPORT

2015-10-26, 11:16:51+0530

Project 9BXX_FrqDepDmpnInrtCmp



Test Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	9BXX_FrqDepDmpnInrtCmp	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
	FDD_Inertia	100 %	100 %	100 %	100 %	100 %	12 of 12 passed	✓
1	ADDCoefCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
2	DecelGain	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
3	DriverVelCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
4	FilterCoefCalc	100 %	100 %	-	-	-	1 of 1 passed	✓
5	FrqDepDmpnInrtCmp_Init	100 %	100 %	-	-	-	1 of 1 passed	✓
6	FrqDepDmpnInrtCmp_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
7	GenFddlcCmd	100 %	100 %	100 %	100 %	100 %	2 of 2 passed	✓

TEST DETAILS REPORT

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DriverVelCalc



Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	DriverVelCalc

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

2015-10-26, 11:02:33+0530

DriverVelCalc



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as ""0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Boundary Test

Specification "Performance Metrics (With ""None"" Instrumentation and ""WithPS"" Environment)

CPU Cycles:

TS1.1 329 Cycles
TS1.2 341 Cycles
TS1.3 341 Cycles
TS1.4 341 Cycles
TS1.5 341 Cycles
TS1.6 341 Cycles
TS1.7 497 Cycles
TS1.8 341 Cycles
TS1.9 329 Cycles
TS1.10 329 Cycles
TS1.11 329 Cycles
TS1.12 417 Cycles
TS1.13 329 Cycles
TS1.14 341 Cycles
TS1.15 417 Cycles
TS1.16 341 Cycles
TS1.17 397 Cycles
TS1.18 329 Cycles
TS1.19 329 Cycles
TS1.20 329 Cycles
TS1.21 427 Cycles
TS1.22 341 Cycles
TS1.23 341 Cycles
TS1.24 341 Cycles
TS1.25 341 Cycles
TS1.26 341 Cycles
TS1.27 407 Cycles
TS1.28 407 Cycles
TS1.29 341 Cycles
TS1.30 341 Cycles
TS1.31 341 Cycles
TS1.32 341 Cycles
TS1.33 329 Cycles
TS1.34 341 Cycles
TS1.35 341 Cycles
TS1.36 329 Cycles
TS1.37 341 Cycles
TS1.38 341 Cycles
TS1.39 341 Cycles
TS1.40 341 Cycles
TS1.41 341 Cycles
TS1.42 341 Cycles
TS1.43 341 Cycles
TS1.44 341 Cycles
TS1.45 341 Cycles

Description Test Vector Description

TS1.1All min
TS1.2All max
TS1.3HwTroque_HwNm_T_f32 = min
TS1.4HwTroque_HwNm_T_f32 = max
TS1.5HwTroque_HwNm_T_f32 = zero
TS1.6HwTroque_HwNm_T_f32 = neg
TS1.7HwTroque_HwNm_T_f32 = pos
TS1.8CRFMotorVel_MtrRadpS_T_f32 = min
TS1.9CRFMotorVel_MtrRadpS_T_f32 = max
TS1.10CRFMotorVel_MtrRadpS_T_f32 = zero
TS1.11CRFMotorVel_MtrRadpS_T_f32 = neg
TS1.12CRFMotorVel_MtrRadpS_T_f32 = pos
TS1.13VehicleSpeed_Kph_T_f32 = min
TS1.14VehicleSpeed_Kph_T_f32 = max
TS1.15VehicleSpeed_Kph_T_f32 = pos
TS1.16PrevTbarAng_HwDeg_M_f32 = min
TS1.17PrevTbarAng_HwDeg_M_f32 = max
TS1.18PrevTbarAng_HwDeg_M_f32 = zero
TS1.19PrevTbarAng_HwDeg_M_f32 = neg
TS1.20PrevTbarAng_HwDeg_M_f32 = pos
TS1.21k_CmnTbarStiff_NmpDeg_f32 = min
TS1.22k_CmnTbarStiff_NmpDeg_f32 = max
TS1.23k_CmnTbarStiff_NmpDeg_f32 = mid
TS1.24k_CmnTbarStiff_NmpDeg_f32 = default
TS1.25k_CmnSysKinRatio_MtrDegpHwDeg_f32 = min
TS1.26k_CmnSysKinRatio_MtrDegpHwDeg_f32 = max
TS1.27k_CmnSysKinRatio_MtrDegpHwDeg_f32 = mid
TS1.28k_CmnSysKinRatio_MtrDegpHwDeg_f32 = default
TS1.29t_CmnVehSpd_Kph_u9p7[12] = min
TS1.30t_CmnVehSpd_Kph_u9p7[12] = max
TS1.31t_CmnVehSpd_Kph_u9p7[12] = mid
TS1.32t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = min
TS1.33t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = max
TS1.34t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[12] = mid
TS1.35k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = min
TS1.36k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = max/default
TS1.37k_InrtCmp_MtrVel_ScaleFactor_Uls_f32 = mid
TS1.38TbarVelFiltSv_M_str.K = min
TS1.39TbarVelFiltSv_M_str.K = max
TS1.40TbarVelFiltSv_M_str.K = mid
TS1.41TbarVelFiltSv_M_str.SV = min
TS1.42TbarVelFiltSv_M_str.SV = max
TS1.43TbarVelFiltSv_M_str.SV = zero
TS1.44TbarVelFiltSv_M_str.SV = pos
TS1.45TbarVelFiltSv_M_str.SV = neg

TEST DETAILS REPORT

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DriverVelCalc



Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-1118		
HwTorque_HwNm_T_f32	-10		
PrevTbarAng_HwDeg_M_f32	-20		
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989		
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798		
VehicleSpeed_Kph_T_f32	0		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	1		
k_CmnTbarStiff_NmpDeg_f32	0.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	0		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	0		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-0	0 ± 0.000009	✔
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-6.65832758	-6.65832758 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	1118
HwTorque_HwNm_T_f32	10
PrevTbarAng_HwDeg_M_f32	20
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444
VehicleSpeed_Kph_T_f32	511.992188
k_CmnSysKinRatio_MtrDegpHwDeg_f32	100
k_CmnTbarStiff_NmpDeg_f32	10
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	128
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	128

TEST DETAILS REPORT

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	128		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	128		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-10740.3115	-10740.3115 ± 0.09	✓
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-6794.31201	-6794.31201 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.3 (Repeat Count = 1)				✔
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		100.5		
HwTorque_HwNm_T_f32		-10		
PrevTbarAng_HwDeg_M_f32		-8.32999992		
TbarVelFiltSv_M_str.SV_Uls_f32		1.25870001		
TbarVelFiltSv_M_str.K_Uls_f32		0.125799999		
VehicleSpeed_Kph_T_f32		100.019997		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		10.1999998		
k_CmnTbarStiff_NmpDeg_f32		1.20000005		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.899999976		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]		1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]		3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]		4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]		5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]		6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]		8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]		9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]		10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]		12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]		13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]		14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]		15		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		90.4685822	90.4685822 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32		-8.33333302	-8.33333302 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32		0.890704095	0.890688896 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.4 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-100.599998			
HwTorque_HwNm_T_f32	10			

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DriverVelCalc

Name	Input Value		
PrevTbarAng_HwDeg_M_f32	3.99950004		
TbarVelFiltSv_M_str.SV_Uls_f32	2.36969995		
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995		
VehicleSpeed_Kph_T_f32	200.029999		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.2999992		
k_CmnTbarStiff_NmpDeg_f32	2.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	3		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	4		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	5		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	6		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	17		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-80.3920822	-80.3920822 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	4	4 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.86838663	1.86839092 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	200.199997
HwTorque_HwNm_T_f32	0
PrevTbarAng_HwDeg_M_f32	0.00999999978
TbarVelFiltSv_M_str.SV_Uls_f32	3.21449995
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002
VehicleSpeed_Kph_T_f32	300.049988
k_CmnSysKinRatio_MtrDegpHwDeg_f32	30.3999996
k_CmnTbarStiff_NmpDeg_f32	3.4000001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	5
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	6
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	8
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	13

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	19		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	140.161072	140.161072 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0	0 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	0.267630339	0.267630279 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.6 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-200.100006		
HwTorque_HwNm_T_f32		-5.5		
PrevTbarAng_HwDeg_M_f32		-1.22099996		
TbarVelFiltSv_M_str.SV_Uls_f32		4.56230021		
TbarVelFiltSv_M_str.K_Uls_f32		0.478560001		
VehicleSpeed_Kph_T_f32		400.059998		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		40.5		
k_CmnTbarStiff_NmpDeg_f32		4.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.600000024		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		6		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		8		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		9		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		10		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		12		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		13		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		14		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		15		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		17		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		18		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		19		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		20		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-119.829559	-119.829552 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32		-1.22222221	-1.22222221 ± 0.00390625	✓
TbarVelFiltSv M str.SV Uls f32		2.08650517	2.08651233 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.7 (Repeat Count = 1)		
Name	Input Value	
CRFMotorVel_MtrRadpS_T_f32	300.029999	
HwTorque_HwNm_T_f32	5.19999981	
PrevTbarAng_HwDeg_M_f32	0.929870009	
TbarVelFiltSv_M_str.SV_Uls_f32	5.8744998	
TbarVelFiltSv_M_str.K_Uls_f32	0.589630008	
VehicleSpeed_Kph_T_f32	123.07	

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DriverVelCalc

Name	Input Value		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	50.5999985		
k_CmnTbarStiff_NmpDeg_f32	5.5999999		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	22		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	150.29483	150.29483 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.928571403	0.928571403 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.02786994	2.02788019 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.8 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-1118
HwTorque_HwNm_T_f32	1.60000002
PrevTbarAng_HwDeg_M_f32	0.246099994
TbarVelFiltSv_M_str.SV_Uls_f32	-2.36899996
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981
VehicleSpeed_Kph_T_f32	150.080002
k_CmnSysKinRatio_MtrDegpHwDeg_f32	60.7999992
k_CmnTbarStiff_NmpDeg_f32	6.5
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	13
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	14
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	15
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	17
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	18
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	19
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	20
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	22

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	23		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-447.362946	-447.362915 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.246153846	0.246153846 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-0.854439139	-0.854441166 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.9 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1118		
HwTorque_HwNm_T_f32	-1.20000005		
PrevTbarAng_HwDeg_M_f32	-0.153209999		
TbarVelFiltSv_M_str.SV_Uls_f32	-3.12400007		
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001		
VehicleSpeed_Kph_T_f32	16.25		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	70.0999985		
k_CmnTbarStiff_NmpDeg_f32	7.80000019		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	23		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	24		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	335.105377	335.105347 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-0.15384616	-0.15384616 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-3.08251452	-3.08251452 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.10 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadps_T_f32	0
HwTorque_HwNm_T_f32	2.20000005
PrevTbarAng_HwDeg_M_f32	0.270000011
TbarVelFiltSv_M_str.SV_Uls_f32	-4.55109978
TbarVelFiltSv_M_str.K_Uls_f32	0.0258959997
VehicleSpeed_Kph_T_f32	58.6300011
k_CmnSysKinRatio_MtrDegpHwDeg_f32	80.1999969
k_CmnTbarStiff_NmpDeg_f32	8.10000038
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003
t_CmnVehSpd_Kph_u9p7[0]	10368

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	24		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	26		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	27		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	29		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	30		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	31		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	37		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	40		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-1.15806818	-1.1580683 ± 0.000009	✓
PrevTbarAng_HwDeg_M_f32	0.271604925	0.271604925 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-4.41246414	-4.41246414 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.11 (Repeat Count = 1)				✓
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-450		
HwTorque_HwNm_T_f32		-2.70000005		
PrevTbarAng_HwDeg_M_f32		-0.291999996		
TbarVelFiltSv_M_str.SV_Uls_f32		-5.74119997		
TbarVelFiltSv_M_str.K_Uls_f32		0.0369799994		
VehicleSpeed_Kph_T_f32		22.5100002		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		90.5		
k_CmnTbarStiff_NmpDeg_f32		9.19999981		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.100000001		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		35		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		39		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		40		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		41		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		43		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		44		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		45		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		47		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-47.2626114	-47.2626114 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32		-0.29347828	-0.293478251 ± 0.00390625	✓

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DriverVelCalc

Name	Actual Value	Expected Value	Result
TbarVelFiltSv_M_str.SV_Uls_f32	-5.55622387	-5.55622339 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.12 (Repeat Count = 1)				✔
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		400		
HwTorque_HwNm_T_f32		3.5999999		
PrevTbarAng_HwDeg_M_f32		2.3900001		
TbarVelFiltSv_M_str.SV_Uls_f32		1.25870001		
TbarVelFiltSv_M_str.K_Uls_f32		0.0254699998		
VehicleSpeed_Kph_T_f32		33.25		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		11.1999998		
k_CmnTbarStiff_NmpDeg_f32		1.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.899999976		
t_CmnVehSpd_Kph_u9p7[0]		3968		
t_CmnVehSpd_Kph_u9p7[1]		4096		
t_CmnVehSpd_Kph_u9p7[2]		4224		
t_CmnVehSpd_Kph_u9p7[3]		4352		
t_CmnVehSpd_Kph_u9p7[4]		4480		
t_CmnVehSpd_Kph_u9p7[5]		4608		
t_CmnVehSpd_Kph_u9p7[6]		4736		
t_CmnVehSpd_Kph_u9p7[7]		4864		
t_CmnVehSpd_Kph_u9p7[8]		4992		
t_CmnVehSpd_Kph_u9p7[9]		5120		
t_CmnVehSpd_Kph_u9p7[10]		5248		
t_CmnVehSpd_Kph_u9p7[11]		5376		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		47		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		48		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		49		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		51		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		52		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		53		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		54		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		56		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		57		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		58		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		60		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		61		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		360.101318	360.101318 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32		2.39999986	2.4000001 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32		1.35398781	1.35399091 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.13 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-300.119995			
HwTorque_HwNm_T_f32	-3.0999999			
PrevTbarAng_HwDeg_M_f32	-1.23899996			
TbarVelFiltSv_M_str.SV_Uls_f32	2.36969995			
TbarVelFiltSv_M_str.K_Uls_f32	0.0214499999			
VehicleSpeed_Kph_T_f32	0			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	22.2999992			
k_CmnTbarStiff_NmpDeg_f32	2.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012			
t_CmnVehSpd_Kph_u9p7[0]	128			
t_CmnVehSpd_Kph_u9p7[1]	256			
t_CmnVehSpd_Kph_u9p7[2]	384			
t_CmnVehSpd_Kph_u9p7[3]	512			
t_CmnVehSpd_Kph_u9p7[4]	640			

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	58		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	59		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	62		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	63		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	64		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-239.688934	-239.688934 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-1.24000001	-1.24000001 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.30814433	2.30814505 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.14 (Repeat Count = 1)				✔
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		699.22998		
HwTorque_HwNm_T_f32		4.19999981		
PrevTbarAng_HwDeg_M_f32		1.19099998		
TbarVelFiltSv_M_str.SV_Uls_f32		3.21449995		
TbarVelFiltSv_M_str.K_Uls_f32		0.0369199999		
VehicleSpeed_Kph_T_f32		511.992188		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		33.5		
k_CmnTbarStiff_NmpDeg_f32		3.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.99000001		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		72		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		73		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		74		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		76		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		77		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		78		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		80		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		81		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		82		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		83		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		85		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		86		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		693.519104	693.519104 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32		1.19999993	1.20000005 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32		3.26195955	3.26196074 ± 0.00390625	✔

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-500.450012		
HwTorque_HwNm_T_f32	-4.5		
PrevTbarAng_HwDeg_M_f32	-0.996999979		
TbarVelFiltSv_M_str.SV_Uls_f32	4.56230021		
TbarVelFiltSv_M_str.K_Uls_f32	0.0125799999		
VehicleSpeed_Kph_T_f32	55.5200005		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	44.4000015		
k_CmnTbarStiff_NmpDeg_f32	4.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	86		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	87		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	88		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	89		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	90		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	91		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	92		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	93		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	94		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	95		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	96		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	97		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-297.880035	-297.880005 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-1	-1 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	4.4860363	4.4860363 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.16 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	600.630005
HwTorque_HwNm_T_f32	-10
PrevTbarAng_HwDeg_M_f32	-20
TbarVelFiltSv_M_str.SV_Uls_f32	5.8744998
TbarVelFiltSv_M_str.K_Uls_f32	0.0325700007
VehicleSpeed_Kph_T_f32	17.1700001
k_CmnSysKinRatio_MtrDegpHwDeg_f32	55.5999985
k_CmnTbarStiff_NmpDeg_f32	0.5
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024

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DriverVelCalc

Name	Input Value			
t_CmnVehSpd_Kph_u9p7[8]	1152			
t_CmnVehSpd_Kph_u9p7[9]	1280			
t_CmnVehSpd_Kph_u9p7[10]	1408			
t_CmnVehSpd_Kph_u9p7[11]	1536			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	109			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	110			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	111			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	113			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	114			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	115			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	116			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	117			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	118			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	119			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	121			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	122			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	305.571442	305.571442 ± 0.0009	✓	
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	5.68316746	5.68316746 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.17 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-600.840027			
HwTorque_HwNm_T_f32	10			
PrevTbarAng_HwDeg_M_f32	20			
TbarVelFiltSv_M_str.SV_Uls_f32	-2.36899996			
TbarVelFiltSv_M_str.K_Uls_f32	0.0963210016			
VehicleSpeed_Kph_T_f32	27.9500008			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	66.5			
k_CmnTbarStiff_NmpDeg_f32	0.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006			
t_CmnVehSpd_Kph_u9p7[0]	2560			
t_CmnVehSpd_Kph_u9p7[1]	3840			
t_CmnVehSpd_Kph_u9p7[2]	5120			
t_CmnVehSpd_Kph_u9p7[3]	6400			
t_CmnVehSpd_Kph_u9p7[4]	7680			
t_CmnVehSpd_Kph_u9p7[5]	8960			
t_CmnVehSpd_Kph_u9p7[6]	10240			
t_CmnVehSpd_Kph_u9p7[7]	11520			
t_CmnVehSpd_Kph_u9p7[8]	12800			
t_CmnVehSpd_Kph_u9p7[9]	14080			
t_CmnVehSpd_Kph_u9p7[10]	15360			
t_CmnVehSpd_Kph_u9p7[11]	16640			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	1			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	3			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	4			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	5			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	6			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	8			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	9			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	10			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	12			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	13			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	14			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	15			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	-240.374832	-240.374817 ± 0.0009	✓	
PrevTbarAng_HwDeg_M_f32	20	20 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	-2.1408155	-2.1408155 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 1.18 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	150.139999			
HwTorque_HwNm_T_f32	0.0500000007			
PrevTbarAng_HwDeg_M_f32	0			
TbarVelFiltSv_M_str.SV_Uls_f32	-3.12400007			
TbarVelFiltSv_M_str.K_Uls_f32	0.0478519984			
VehicleSpeed_Kph_T_f32	37.0200005			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	77.1999969			
k_CmnTbarStiff_NmpDeg_f32	10			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012			
t_CmnVehSpd_Kph_u9p7[0]	12800			
t_CmnVehSpd_Kph_u9p7[1]	12928			
t_CmnVehSpd_Kph_u9p7[2]	13056			
t_CmnVehSpd_Kph_u9p7[3]	13184			
t_CmnVehSpd_Kph_u9p7[4]	13312			
t_CmnVehSpd_Kph_u9p7[5]	13440			
t_CmnVehSpd_Kph_u9p7[6]	13568			
t_CmnVehSpd_Kph_u9p7[7]	13696			
t_CmnVehSpd_Kph_u9p7[8]	13824			
t_CmnVehSpd_Kph_u9p7[9]	13952			
t_CmnVehSpd_Kph_u9p7[10]	14080			
t_CmnVehSpd_Kph_u9p7[11]	14208			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	3			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	4			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	5			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	6			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	8			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	9			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	10			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	12			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	13			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	14			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	15			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	17			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	44.9518433	44.9518433 ± 0.00009	✓	
PrevTbarAng_HwDeg_M_f32	0.00499999989	0.00499999989 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	-2.85488033	-2.85488033 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.19 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-150.619995
HwTorque_HwNm_T_f32	-7.5
PrevTbarAng_HwDeg_M_f32	-0.888999999
TbarVelFiltSv_M_str.SV_Uls_f32	-4.55109978
TbarVelFiltSv_M_str.K_Uls_f32	0.235599995
VehicleSpeed_Kph_T_f32	11.0299997
k_CmnSysKinRatio_MtrDegpHwDeg_f32	88.1999969
k_CmnTbarStiff_NmpDeg_f32	8.5
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	5
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	6

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	19		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-30.2861042	-30.2861061 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	-0.882352948	-0.882352948 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.69583821	-2.69583726 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.20 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	250.240005		
HwTorque_HwNm_T_f32	8.19999981		
PrevTbarAng_HwDeg_M_f32	0.861000001		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.74119997		
TbarVelFiltSv_M_str.K_Uls_f32	0.347900003		
VehicleSpeed_Kph_T_f32	33.0400009		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	99.3000031		
k_CmnTbarStiff_NmpDeg_f32	9.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.100000001		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	6		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	8		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	9		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	20		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	24.7503471	24.7503471 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	0.863157868	0.863157868 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-3.36847568	-3.36847067 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.21 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-250.619995

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DriverVelCalc

Name	Input Value			
HwTorque_HwNm_T_f32	-8.5			
PrevTbarAng_HwDeg_M_f32	-16.9969997			
TbarVelFiltSv_M_str.SV_Uls_f32	1.25870001			
TbarVelFiltSv_M_str.K_Uls_f32	0.224399999			
VehicleSpeed_Kph_T_f32	44.0499992			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.2000008			
k_CmnTbarStiff_NmpDeg_f32	0.5			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.899999976			
t_CmnVehSpd_Kph_u9p7[0]	5248			
t_CmnVehSpd_Kph_u9p7[1]	5376			
t_CmnVehSpd_Kph_u9p7[2]	5504			
t_CmnVehSpd_Kph_u9p7[3]	5632			
t_CmnVehSpd_Kph_u9p7[4]	5760			
t_CmnVehSpd_Kph_u9p7[5]	5888			
t_CmnVehSpd_Kph_u9p7[6]	6016			
t_CmnVehSpd_Kph_u9p7[7]	6144			
t_CmnVehSpd_Kph_u9p7[8]	6272			
t_CmnVehSpd_Kph_u9p7[9]	6400			
t_CmnVehSpd_Kph_u9p7[10]	6528			
t_CmnVehSpd_Kph_u9p7[11]	6656			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	8			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	9			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	10			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	12			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	13			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	14			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	15			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	17			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	18			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	19			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	20			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	22			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	-225.52951	-225.529526 ± 0.0009	✓	
PrevTbarAng_HwDeg_M_f32	-17	-17 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	0.639618635	0.639647722 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.22 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadps_T_f32	350.140015
HwTorque_HwNm_T_f32	9.19999981
PrevTbarAng_HwDeg_M_f32	0.91900003
TbarVelFiltSv_M_str.SV_Uls_f32	2.36969995
TbarVelFiltSv_M_str.K_Uls_f32	0.336600006
VehicleSpeed_Kph_T_f32	376.059998
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.7999992
k_CmnTbarStiff_NmpDeg_f32	10
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	9
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	10
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	12
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	13
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	14
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	15

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	23		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	350.286285	350.286285 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.919999957	0.920000017 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.74034667	1.74035895 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.23 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-350.359985		
HwTorque_HwNm_T_f32	-9.21000004		
PrevTbarAng_HwDeg_M_f32	-1.84099996		
TbarVelFiltSv_M_str.SV_Uls_f32	3.21449995		
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001		
VehicleSpeed_Kph_T_f32	265.019989		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.5		
k_CmnTbarStiff_NmpDeg_f32	5.25		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	24		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-244.585281	-244.585297 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-1.75428569	-1.75428569 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.80800867	3.80800891 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.24 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-350.359985
HwTorque_HwNm_T_f32	-9.21000004
PrevTbarAng_HwDeg_M_f32	-1.84099996
TbarVelFiltSv_M_str.SV_Uls_f32	3.21449995
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001

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DriverVelCalc

Name	Input Value		
VehicleSpeed_Kph_T_f32	265.019989		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.5		
k_CmnTbarStiff_NmpDeg_f32	2.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	10		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	12		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	13		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	14		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	15		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	17		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	18		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	19		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	20		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	22		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	23		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	24		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-247.082855	-247.08287 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-3.68400002	-3.68400002 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-10.4574032	-10.4574041 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.25 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	450.519989
HwTorque_HwNm_T_f32	1.5
PrevTbarAng_HwDeg_M_f32	1.15400004
TbarVelFiltSv_M_str.SV_Uls_f32	4.56230021
TbarVelFiltSv_M_str.K_Uls_f32	0.559899986
VehicleSpeed_Kph_T_f32	187.059998
k_CmnSysKinRatio_MtrDegpHwDeg_f32	1
k_CmnTbarStiff_NmpDeg_f32	1.29999995
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	24
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	26
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	27
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	29
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	30
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	31
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	33
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	34
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	36
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	37

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	40		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	270.322723	270.322723 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	1.15384614	1.15384614 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	1.96478438	1.96479905 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.26 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-450.579987		
HwTorque_HwNm_T_f32	-1.5		
PrevTbarAng_HwDeg_M_f32	-0.550999999		
TbarVelFiltSv_M_str.SV_Uls_f32	5.8744998		
TbarVelFiltSv_M_str.K_Uls_f32	0.125799999		
VehicleSpeed_Kph_T_f32	166.080002		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	100		
k_CmnTbarStiff_NmpDeg_f32	2.70000005		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	35		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	39		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	40		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	41		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	43		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	44		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-222.18248	-222.182495 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-0.555555522	-0.555555582 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	4.84894514	4.84894323 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.27 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-689.690002		
HwTorque_HwNm_T_f32	2.5		
PrevTbarAng_HwDeg_M_f32	0.805000007		
TbarVelFiltSv_M_str.SV_Uls_f32	-2.36899996		
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995		
VehicleSpeed_Kph_T_f32	2.05999994		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	25.4500008		
k_CmnTbarStiff_NmpDeg_f32	3.0999999		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.889999986		

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	47		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	48		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	51		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	52		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	53		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	56		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	57		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	61		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-614.096802	-614.096802 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451619 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6370784	-1.63707829 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.28 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-689.690002		
HwTorque_HwNm_T_f32		2.5		
PrevTbarAng_HwDeg_M_f32		0.805000007		
TbarVelFiltSv_M_str.SV_Uls_f32		-2.36899996		
TbarVelFiltSv_M_str.K_Uls_f32		0.236499995		
VehicleSpeed_Kph_T_f32		2.05999994		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		22		
k_CmnTbarStiff_NmpDeg_f32		3.0999999		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.889999986		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		47		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		48		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		49		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		51		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		52		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		53		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		54		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		56		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		57		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		58		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		61		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-614.059814	-614.059814 ± 0.0009	

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DriverVelCalc

Name	Actual Value	Expected Value	Result
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451619 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6370784	-1.63707829 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.29 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadps_T_f32	-111.410004			
HwTorque_HwNm_T_f32	-2.5			
PrevTbarAng_HwDeg_M_f32	-0.518000007			
TbarVelFiltSv_M_str.SV_Uls_f32	-3.12400007			
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002			
VehicleSpeed_Kph_T_f32	267.070007			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.5			
k_CmnTbarStiff_NmpDeg_f32	4.80000019			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012			
t_CmnVehSpd_Kph_u9p7[0]	0			
t_CmnVehSpd_Kph_u9p7[1]	0			
t_CmnVehSpd_Kph_u9p7[2]	0			
t_CmnVehSpd_Kph_u9p7[3]	0			
t_CmnVehSpd_Kph_u9p7[4]	0			
t_CmnVehSpd_Kph_u9p7[5]	0			
t_CmnVehSpd_Kph_u9p7[6]	0			
t_CmnVehSpd_Kph_u9p7[7]	0			
t_CmnVehSpd_Kph_u9p7[8]	0			
t_CmnVehSpd_Kph_u9p7[9]	0			
t_CmnVehSpd_Kph_u9p7[10]	0			
t_CmnVehSpd_Kph_u9p7[11]	0			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	58			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	59			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	60			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	62			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	63			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	64			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	66			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	67			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	68			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	69			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	71			
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	72			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	-35.2845802	-35.2845802 ± 0.00009	✓	
PrevTbarAng_HwDeg_M_f32	-0.520833313	-0.520833313 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	-2.51150656	-2.51151133 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.30 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadps_T_f32	222.619995			
HwTorque_HwNm_T_f32	3.5			
PrevTbarAng_HwDeg_M_f32	0.671000004			
TbarVelFiltSv_M_str.SV_Uls_f32	-4.55109978			
TbarVelFiltSv_M_str.K_Uls_f32	0.478560001			
VehicleSpeed_Kph_T_f32	510.029999			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	46.2000008			
k_CmnTbarStiff_NmpDeg_f32	5.19999981			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003			
t_CmnVehSpd_Kph_u9p7[0]	32640			
t_CmnVehSpd_Kph_u9p7[1]	32640			
t_CmnVehSpd_Kph_u9p7[2]	32640			
t_CmnVehSpd_Kph_u9p7[3]	32640			

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DriverVelCalc

Name	Input Value
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	72
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	73
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	74
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	76
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	77
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	78
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	80
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	81
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	82
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	83
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	85
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	86

Name	Actual Value	Expected Value	Result
DriverVelCalc()	43.5075684	43.5075684 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	0.673076928	0.673076928 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.87615919	-1.87615943 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.31 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-222.149994		
HwTorque_HwNm_T_f32		-3.5		
PrevTbarAng_HwDeg_M_f32		-0.513400018		
TbarVelFiltSv_M_str.SV_Uls_f32		-5.74119997		
TbarVelFiltSv_M_str.K_Uls_f32		0.589630008		
VehicleSpeed_Kph_T_f32		467.079987		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		28.1000004		
k_CmnTbarStiff_NmpDeg_f32		6.80000019		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.100000001		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		86		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		87		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		88		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		89		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		90		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		91		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		92		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		93		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		94		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		95		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		96		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		97		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-23.2337227	-23.2337227 ± 0.00009	
PrevTbarAng_HwDeg_M_f32		-0.514705896	-0.514705896 ± 0.00390625	
TbarVelFiltSv_M_str.SV_Uls_f32		-2.74100852	-2.74100995 ± 0.00390625	

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DriverVelCalc

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.32 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	333.170013		
HwTorque_HwNm_T_f32	4.5		
PrevTbarAng_HwDeg_M_f32	0.614000022		
TbarVelFiltSv_M_str.SV_Uls_f32	1.25870001		
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981		
VehicleSpeed_Kph_T_f32	166.919998		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	85.5999985		
k_CmnTbarStiff_NmpDeg_f32	7.30000019		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	0		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	0		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	133.268005	133.268005 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.616438329	0.616438329 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	1.23370099	1.23371661 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.33 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-333.619995
HwTorque_HwNm_T_f32	-4.5
PrevTbarAng_HwDeg_M_f32	-0.916999996
TbarVelFiltSv_M_str.SV_Uls_f32	2.36969995
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001
VehicleSpeed_Kph_T_f32	10.0500002
k_CmnSysKinRatio_MtrDegpHwDeg_f32	36.7999992
k_CmnTbarStiff_NmpDeg_f32	4.9000001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	128		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	128		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-198.679001	-198.678986 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	-0.918367326	-0.918367326 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.32455587	2.32455587 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.34 (Repeat Count = 1)				✔
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		444.519989		
HwTorque_HwNm_T_f32		5.5		
PrevTbarAng_HwDeg_M_f32		1.05599999		
TbarVelFiltSv_M_str.SV_Uls_f32		3.21449995		
TbarVelFiltSv_M_str.K_Uls_f32		0.125799999		
VehicleSpeed_Kph_T_f32		377.059998		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		85.5		
k_CmnTbarStiff_NmpDeg_f32		5.19999981		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.899999976		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]		58		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]		59		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]		60		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]		62		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]		63		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]		64		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]		66		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]		67		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]		68		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]		69		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]		71		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]		72		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		402.516144	402.516144 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32		1.05769229	1.05769229 ± 0.00390625	✔
TbarVelFiltSv M str.SV_Uls_f32		2.91656113	2.91656208 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DriverVelCalc

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Test Step 1.35 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-699.630005			
HwTorque_HwNm_T_f32	-5.5			
PrevTbarAng_HwDeg_M_f32	-0.889999986			
TbarVelFiltSv_M_str.SV_Uls_f32	4.56230021			
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995			
VehicleSpeed_Kph_T_f32	38.1699982			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	29.2000008			
k_CmnTbarStiff_NmpDeg_f32	6.0999999			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0			
t_CmnVehSpd_Kph_u9p7[0]	128			
t_CmnVehSpd_Kph_u9p7[1]	256			
t_CmnVehSpd_Kph_u9p7[2]	384			
t_CmnVehSpd_Kph_u9p7[3]	512			
t_CmnVehSpd_Kph_u9p7[4]	640			
t_CmnVehSpd_Kph_u9p7[5]	768			
t_CmnVehSpd_Kph_u9p7[6]	896			
t_CmnVehSpd_Kph_u9p7[7]	1024			
t_CmnVehSpd_Kph_u9p7[8]	1152			
t_CmnVehSpd_Kph_u9p7[9]	1280			
t_CmnVehSpd_Kph_u9p7[10]	1408			
t_CmnVehSpd_Kph_u9p7[11]	1536			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	86			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	87			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	88			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	89			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	90			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	91			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	92			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	93			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	94			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	95			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	96			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	97			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	0.81372714	0.813727558 ± 0.0000009	✓	
PrevTbarAng_HwDeg_M_f32	-0.901639342	-0.901639342 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	2.10696244	2.10696363 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.36 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	555.73999
HwTorque_HwNm_T_f32	6.5
PrevTbarAng_HwDeg_M_f32	0.829999983
TbarVelFiltSv_M_str.SV_Uls_f32	5.8744998
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002
VehicleSpeed_Kph_T_f32	1.17999995
k_CmnSysKinRatio_MtrDegpHwDeg_f32	56.5
k_CmnTbarStiff_NmpDeg_f32	7.80000019
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	109
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	110

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	111		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	113		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	114		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	115		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	116		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	117		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	118		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	119		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	121		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	122		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	559.405396	559.405457 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.833333313	0.833333313 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.36498117	4.36498165 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.37 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-555.809998		
HwTorque_HwNm_T_f32	-6.5		
PrevTbarAng_HwDeg_M_f32	-0.779999971		
TbarVelFiltSv_M_str.SV_Uls_f32	-2.36899996		
TbarVelFiltSv_M_str.K_Uls_f32	0.478560001		
VehicleSpeed_Kph_T_f32	276.190002		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	12.3000002		
k_CmnTbarStiff_NmpDeg_f32	8.30000019		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	35		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	39		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	40		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	41		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	43		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	44		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-278.061462	-278.061462 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-0.783132493	-0.783132553 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.98484111	-1.98484313 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.38 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	666.859985

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DriverVelCalc

Name	Input Value		
HwTorque_HwNm_T_f32	7.5		
PrevTbarAng_HwDeg_M_f32	0.799000025		
TbarVelFiltSv_M_str.SV_Uls_f32	-3.12400007		
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798		
VehicleSpeed_Kph_T_f32	354.200012		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	64.4000015		
k_CmnTbarStiff_NmpDeg_f32	9.30000019		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	47		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	48		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	51		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	52		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	53		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	56		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	57		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	60		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	61		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	331.76123	331.76123 ± 0.0009	✔
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451619 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.11539769	-3.11539769 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.39 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-666.710022
HwTorque_HwNm_T_f32	-7.5
PrevTbarAng_HwDeg_M_f32	-6.24900007
TbarVelFiltSv_M_str.SV_Uls_f32	-4.55109978
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444
VehicleSpeed_Kph_T_f32	254.520004
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.2000008
k_CmnTbarStiff_NmpDeg_f32	1.20000005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	58
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	59
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	60
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	62
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	63
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	64

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	66		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	67		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	68		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	69		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	71		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	72		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-267.125366	-267.125397 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-6.24999952	-6.25 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-1.6527853	-1.65298176 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.40 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	134.520004			
HwTorque_HwNm_T_f32	8.5			
PrevTbarAng_HwDeg_M_f32	3.85999999			
TbarVelFiltSv_M_str.SV_Uls_f32	-5.74119997			
TbarVelFiltSv_M_str.K_Uls_f32	0.587459981			
VehicleSpeed_Kph_T_f32	154.630005			
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.0999985			
k_CmnTbarStiff_NmpDeg_f32	2.20000005			
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012			
t_CmnVehSpd_Kph_u9p7[0]	5248			
t_CmnVehSpd_Kph_u9p7[1]	5376			
t_CmnVehSpd_Kph_u9p7[2]	5504			
t_CmnVehSpd_Kph_u9p7[3]	5632			
t_CmnVehSpd_Kph_u9p7[4]	5760			
t_CmnVehSpd_Kph_u9p7[5]	5888			
t_CmnVehSpd_Kph_u9p7[6]	6016			
t_CmnVehSpd_Kph_u9p7[7]	6144			
t_CmnVehSpd_Kph_u9p7[8]	6272			
t_CmnVehSpd_Kph_u9p7[9]	6400			
t_CmnVehSpd_Kph_u9p7[10]	6528			
t_CmnVehSpd_Kph_u9p7[11]	6656			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	24			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	26			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	27			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	29			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	30			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	31			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	33			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	34			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	36			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	37			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	38			
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	40			
Name	Actual Value	Expected Value	Result	
DriverVelCalc()	39.8233643	39.8233604 ± 0.00009	✓	
PrevTbarAng_HwDeg_M_f32	3.86363626	3.86363626 ± 0.00390625	✓	
TbarVelFiltSv_M_str.SV_Uls_f32	-1.30036688	-1.30036557 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.41 (Repeat Count = 1)				
Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-463.910004			
HwTorque_HwNm_T_f32	-8.5			
PrevTbarAng_HwDeg_M_f32	-2.34999999			
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989			
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002			

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DriverVelCalc

Name	Input Value		
VehicleSpeed_Kph_T_f32	55.2400017		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.6000004		
k_CmnTbarStiff_NmpDeg_f32	3.5999999		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003		
t_CmnVehSpd_Kph_u9p7[0]	3968		
t_CmnVehSpd_Kph_u9p7[1]	4096		
t_CmnVehSpd_Kph_u9p7[2]	4224		
t_CmnVehSpd_Kph_u9p7[3]	4352		
t_CmnVehSpd_Kph_u9p7[4]	4480		
t_CmnVehSpd_Kph_u9p7[5]	4608		
t_CmnVehSpd_Kph_u9p7[6]	4736		
t_CmnVehSpd_Kph_u9p7[7]	4864		
t_CmnVehSpd_Kph_u9p7[8]	4992		
t_CmnVehSpd_Kph_u9p7[9]	5120		
t_CmnVehSpd_Kph_u9p7[10]	5248		
t_CmnVehSpd_Kph_u9p7[11]	5376		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[0]	33		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[1]	34		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[2]	35		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[3]	36		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[4]	38		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[5]	39		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[6]	40		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[7]	41		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[8]	43		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[9]	44		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbiY_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-93.6095047	-93.6094971 ± 0.00009	✓
PrevTbarAng_HwDeg_M_f32	-2.36111116	-2.36111116 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-6.26811457	-6.26808786 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.42 (Repeat Count = 1)	
Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	263.420013
HwTorque_HwNm_T_f32	9.5
PrevTbarAng_HwDeg_M_f32	2.25
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.287400007
VehicleSpeed_Kph_T_f32	444.519989
k_CmnSysKinRatio_MtrDegpHwDeg_f32	21.7000008
k_CmnTbarStiff_NmpDeg_f32	4.19999981
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.100000001
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	47
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	48
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	49
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	51
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	52
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	53
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	54
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	56
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	57
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	58

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DriverVelCalc

Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	60		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	61		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	27.5082359	27.5082283 ± 0.00009	✔
PrevTbarAng_HwDeg_M_f32	2.26190495	2.26190472 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	6.46143246	6.4614048 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.43 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		-522.630005		
HwTorque_HwNm_T_f32		-9.5		
PrevTbarAng_HwDeg_M_f32		-1.81900001		
TbarVelFiltSv_M_str.SV_Uls_f32		0		
TbarVelFiltSv_M_str.K_Uls_f32		0.0254790001		
VehicleSpeed_Kph_T_f32		333.619995		
k_CmnSysKinRatio_MtrDegpHwDeg_f32		45.7999992		
k_CmnTbarStiff_NmpDeg_f32		5.19999981		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32		0.899999976		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]		10		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]		12		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]		13		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]		14		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]		15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]		17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]		18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]		19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]		20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]		22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]		23		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]		24		
Name		Actual Value	Expected Value	Result
DriverVelCalc()		-470.382141	-470.382141 ± 0.0009	
PrevTbarAng_HwDeg_M_f32		-1.82692313	-1.82692313 ± 0.00390625	
TbarVelFiltSv_M_str.SV_Uls_f32		-0.100936659	-0.10093604 ± 0.00390625	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.44 (Repeat Count = 1)		
Name	Input Value	
CRFMotorVel_MtrRadpS_T_f32	357.25	
HwTorque_HwNm_T_f32	1.56299996	
PrevTbarAng_HwDeg_M_f32	0.250999987	
TbarVelFiltSv_M_str.SV_Uls_f32	5.69869995	
TbarVelFiltSv_M_str.K_Uls_f32	0.0369799994	
VehicleSpeed_Kph_T_f32	222.419998	
k_CmnSysKinRatio_MtrDegpHwDeg_f32	76.9000015	
k_CmnTbarStiff_NmpDeg_f32	6.19999981	
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012	

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DriverVelCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	24		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	26		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	27		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	29		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	30		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	31		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	37		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	40		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	288.110321	288.110291 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	0.252096772	0.252096772 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	5.50824165	5.50824165 ± 0.00390625	✓

Test Step 1.45 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-464.25		
HwTorque_HwNm_T_f32	-2.64499998		
PrevTbarAng_HwDeg_M_f32	-0.352499992		
TbarVelFiltSv_M_str.SV_Uls_f32	-5.14230013		
TbarVelFiltSv_M_str.K_Uls_f32	0.024588		
VehicleSpeed_Kph_T_f32	111.519997		
k_CmnSysKinRatio_MtrDegpHwDeg_f32	42.5		
k_CmnTbarStiff_NmpDeg_f32	7.5		
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	33		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	34		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	35		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	36		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	38		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	39		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	40		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	41		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	43		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	44		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	45		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	47		
Name	Actual Value	Expected Value	Result
DriverVelCalc()	-326.341705	-326.341705 ± 0.0009	✓
PrevTbarAng_HwDeg_M_f32	-0.352666676	-0.352666676 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	-5.01791048	-5.01791 ± 0.00390625	✓

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FrqDepDmpnInrtCmp_Per1

Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	FrqDepDmpnInrtCmp_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

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FrqDepDmpnInrtCmp_Per1



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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FrqDepDmpnInrtCmp_Per1



Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS1.1 5667.00 Cycles TS1.2 5703.00 Cycles
Description	Test Vector Description: TS1.1 "Shortest Execution Path: (FDDDefSrvFlg_Cnt_T_lgc == TRUE)=False (FrqDepDmpnInrtCmp_MtrNm_T_f32>=D_MTRTRQCMDHILMT_MTRNM_F32)=True" TS1.2 "Longest Execution Path: (FDDDefSrvFlg_Cnt_T_lgc == TRUE)=True (FrqDepDmpnInrtCmp_MtrNm_T_f32>= D_MTRTRQCMDHILMT_MTRNM_F32)=False (FrqDepDmpnInrtCmp_MtrNm_T_f32<= -D_MTRTRQCMDHILMT_MTRNM_F32)=False"

Test Case 2: Boundary Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS2.1 5484.00 Cycles TS2.2 5549.00 Cycles TS2.3 5698.00 Cycles TS2.4 5724.00 Cycles TS2.5 5698.00 Cycles TS2.6 5572.00 Cycles TS2.7 5708.00 Cycles TS2.8 6713.00 Cycles TS2.9 5630.00 Cycles TS2.10 5527.00 Cycles TS2.11 5508.00 Cycles TS2.12 5560.00 Cycles TS2.13 5560.00 Cycles TS2.14 5562.00 Cycles TS2.15 5534.00 Cycles TS2.16 5733.00 Cycles TS2.17 5538.00 Cycles TS2.18 5458.00 Cycles TS2.19 5517.00 Cycles TS2.20 5517.00 Cycles TS2.21 5853.00 Cycles TS2.22 5549.00 Cycles TS2.23 5529.00 Cycles TS2.24 5516.00 Cycles TS2.25 5539.00 Cycles TS2.26 5539.00 Cycles TS2.27 5519.00 Cycles TS2.28 5619.00 Cycles TS2.29 5572.00 Cycles TS2.30 5561.00 Cycles
Description	Test Vector Description: TS2.1 All min TS2.2 All max TS2.3 HwTorque_HwNm_f32 = min TS2.4 HwTorque_HwNm_f32 = max TS2.5 HwTorque_HwNm_f32 = zero TS2.6 HwTorque_HwNm_f32 = neg TS2.7 HwTorque_HwNm_f32 = pos TS2.8 CRFMotorVel_MtrRadpS_f32 = min TS2.9 CRFMotorVel_MtrRadpS_f32 = max TS2.10 CRFMotorVel_MtrRadpS_f32 = zero TS2.11 CRFMotorVel_MtrRadpS_f32 = neg TS2.12 CRFMotorVel_MtrRadpS_f32 = pos TS2.13 BaseAssistCmd_MtrNm_f32 = min TS2.14 BaseAssistCmd_MtrNm_f32 = max TS2.15 BaseAssistCmd_MtrNm_f32 = zero TS2.16 BaseAssistCmd_MtrNm_f32 = neg TS2.17 BaseAssistCmd_MtrNm_f32 = pos TS2.18 VehicleSpeed_Kph_f32 = min TS2.19 VehicleSpeed_Kph_f32 = max TS2.20 VehicleSpeed_Kph_f32 = pos TS2.21 WIRCmdAmpBlnd_MtrNm_f32 = min TS2.22 WIRCmdAmpBlnd_MtrNm_f32 = max TS2.23 WIRCmdAmpBlnd_MtrNm_f32 = pos TS2.24 FreqDepDmpSrlComSvcDft_Cnt_lgc = min TS2.25 FreqDepDmpSrlComSvcDft_Cnt_lgc = max TS2.26 VehicleLonAccel_KphpS_f32 = min TS2.27 VehicleLonAccel_KphpS_f32 = max TS2.28 VehicleLonAccel_KphpS_f32 = zero TS2.29 VehicleLonAccel_KphpS_f32 = neg TS2.30 VehicleLonAccel_KphpS_f32 = pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
PreDecelGain_Uls_M_f32	1
Prev1PreAttnComp_MtrNm_M_f32	-8.80000019
Prev1ScIDrvVel_RadpS_M_f32	-12917.2998

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Name	Input Value
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019
Prev2SclDrvVel_RadpS_M_f32	-12917.2998
PrevTbarAng_HwDeg_M_f32	-20
Rte_Inst_Ap_FrqDepDmpInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798
k_CmnSysKinRatio_MtrDegpHwDeg_f32	1
k_CmnTbarStiff_NmpDeg_f32	0.5
k_DmpDecelGainFSlew_UlspS_f32	1
k_DmpDecelGain_Uls_f32	1
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	0
k_InrtCmp_MtrInertia_KgmSq_f32	9.99999975e-006
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	16
t_CmnVehSpd_Kph_u9p7[0]	0
t_CmnVehSpd_Kph_u9p7[1]	0
t_CmnVehSpd_Kph_u9p7[2]	0
t_CmnVehSpd_Kph_u9p7[3]	0
t_CmnVehSpd_Kph_u9p7[4]	0
t_CmnVehSpd_Kph_u9p7[5]	0
t_CmnVehSpd_Kph_u9p7[6]	0
t_CmnVehSpd_Kph_u9p7[7]	0
t_CmnVehSpd_Kph_u9p7[8]	0
t_CmnVehSpd_Kph_u9p7[9]	0
t_CmnVehSpd_Kph_u9p7[10]	0
t_CmnVehSpd_Kph_u9p7[11]	0
t_DmpADDCoefX_MtrNm_u4p12[0]	0
t_DmpADDCoefX_MtrNm_u4p12[1]	0
t_DmpADDCoefX_MtrNm_u4p12[2]	0

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Name	Input Value
t_DmpADDCoefX_MtrNm_u4p12[3]	0
t_DmpADDCoefX_MtrNm_u4p12[4]	0
t_DmpADDCoefX_MtrNm_u4p12[5]	0
t_DmpADDCoefX_MtrNm_u4p12[6]	0
t_DmpADDCoefX_MtrNm_u4p12[7]	0
t_DmpADDCoefX_MtrNm_u4p12[8]	0
t_DmpADDCoefX_MtrNm_u4p12[9]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	0
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	0
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	0
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	0
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	0
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	0
t_FDD_AttenTbIY_Uls_u8p8[0]	0
t_FDD_AttenTbIY_Uls_u8p8[1]	0
t_FDD_BlendTbIY_Uls_u8p8[0]	0
t_FDD_BlendTbIY_Uls_u8p8[1]	0
t_FDD_BlendTbIY_Uls_u8p8[2]	0
t_FDD_BlendTbIY_Uls_u8p8[3]	0
t_FDD_BlendTbIY_Uls_u8p8[4]	0
t_FDD_BlendTbIY_Uls_u8p8[5]	0
t_FDD_BlendTbIY_Uls_u8p8[6]	0
t_FDD_BlendTbIY_Uls_u8p8[7]	0
t_FDD_BlendTbIY_Uls_u8p8[8]	0
t_FDD_BlendTbIY_Uls_u8p8[9]	0
t_FDD_BlendTbIY_Uls_u8p8[10]	0
t_FDD_BlendTbIY_Uls_u8p8[11]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	0
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	0
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	0

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Name	Input Value		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	0		
t_RIAstWIRBndTbly_Uls_u2p14[0]	0		
t_RIAstWIRBndTbly_Uls_u2p14[1]	0		
t_RIAstWIRBndTbly_Uls_u2p14[2]	0		
t_RIAstWIRBndTbly_Uls_u2p14[3]	0		
t_RIAstWIRBndTbly_Uls_u2p14[4]	0		
t_WIRBndTblyX_MtrNm_u8p8[0]	0		
t_WIRBndTblyX_MtrNm_u8p8[1]	0		
t_WIRBndTblyX_MtrNm_u8p8[2]	0		
t_WIRBndTblyX_MtrNm_u8p8[3]	0		
t_WIRBndTblyX_MtrNm_u8p8[4]	0		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.80000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	0		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_f	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrl	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwI	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.79862881	-8.79862785 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-0	0 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.2998 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-20	-20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-6.65832758	-6.65832758 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	4.2949673e+009
Prev1PreAttnComp_MtrNm_M_f32	8.80000019
Prev1ScIDrvVel_RadpS_M_f32	12917.2998
Prev2PreAttnComp_MtrNm_M_f32	8.80000019
Prev2ScIDrvVel_RadpS_M_f32	12917.2998
PrevTbarAng_HwDeg_M_f32	1.01333404
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444
k_CmnSysKinRatio_MtrDegpHwDeg_f32	100
k_CmnTbarStiff_NmpDeg_f32	10
k_DmpDecelGainFSlew_UlspS_f32	4500
k_DmpDecelGain_Uls_f32	10
k_DmpGainOffThresh_KphpS_f32	50
k_DmpGainOnThresh_KphpS_f32	50
k_InrtCmp_MtrInertia_KgmSq_f32	0.000500000024
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1

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FrqDepDmpInrtCmp_Per1

Name	Input Value
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	6554
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	6554
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1600
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_DmpADDCoefX_MtrNm_u4p12[0]	36045
t_DmpADDCoefX_MtrNm_u4p12[1]	36045
t_DmpADDCoefX_MtrNm_u4p12[2]	36045
t_DmpADDCoefX_MtrNm_u4p12[3]	36045
t_DmpADDCoefX_MtrNm_u4p12[4]	36045
t_DmpADDCoefX_MtrNm_u4p12[5]	36045
t_DmpADDCoefX_MtrNm_u4p12[6]	36045
t_DmpADDCoefX_MtrNm_u4p12[7]	36045
t_DmpADDCoefX_MtrNm_u4p12[8]	36045
t_DmpADDCoefX_MtrNm_u4p12[9]	36045
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	35776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	35776
t_DmpDecelGainSlewY_UlspS_u13p3[0]	4000

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Name	Input Value
t_DmpDecelGainSlewY_UlspS_u13p3[1]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[2]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[3]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[4]	4000
t_DmpDecelGainSlewY_UlspS_u13p3[5]	4000
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	16384
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	16384
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	6554
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	17600
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	17600
t_FDD_AttenTbIY_Uls_u8p8[0]	256
t_FDD_AttenTbIY_Uls_u8p8[1]	256
t_FDD_BlendTbIY_Uls_u8p8[0]	256
t_FDD_BlendTbIY_Uls_u8p8[1]	256
t_FDD_BlendTbIY_Uls_u8p8[2]	256
t_FDD_BlendTbIY_Uls_u8p8[3]	256
t_FDD_BlendTbIY_Uls_u8p8[4]	256
t_FDD_BlendTbIY_Uls_u8p8[5]	256
t_FDD_BlendTbIY_Uls_u8p8[6]	256
t_FDD_BlendTbIY_Uls_u8p8[7]	256
t_FDD_BlendTbIY_Uls_u8p8[8]	256
t_FDD_BlendTbIY_Uls_u8p8[9]	256
t_FDD_BlendTbIY_Uls_u8p8[10]	256
t_FDD_BlendTbIY_Uls_u8p8[11]	256
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	384
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	384
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	128
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	128
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	16384
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	16384
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	16384
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	16384
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	16384
t_WIRBlndTbIX_MtrNm_u8p8[0]	2048
t_WIRBlndTbIX_MtrNm_u8p8[1]	2048
t_WIRBlndTbIX_MtrNm_u8p8[2]	2048
t_WIRBlndTbIX_MtrNm_u8p8[3]	2048
t_WIRBlndTbIX_MtrNm_u8p8[4]	2048
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.80000019
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	1118
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1

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Name	Input Value		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	511.992188		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	8.80000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	4.2949673e+009	4.2949673e+009 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-2.45381431e+011	-2.45381464e+011 ± 999999.9	✔
Prev1ScIDrvVel_RadpS_M_f32	1112.98718	1112.98718 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.80000019 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	12917.2998	12917.2998 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.8721137	-2.87210178 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125487.234
Prev1PreAttnComp_MtrNm_M_f32	1.10000002
Prev1ScIDrvVel_RadpS_M_f32	2205.30005
Prev2PreAttnComp_MtrNm_M_f32	7.30000019
Prev2ScIDrvVel_RadpS_M_f32	101.199997
PrevTbarAng_HwDeg_M_f32	-8.31999969
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.125799999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.1999998
k_CmnTbarStiff_NmpDeg_f32	1.20000005
k_DmpDecelGainFSlew_UlspS_f32	100.019997
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	7.9999998e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.899999976
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364

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Name	Input Value
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068

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Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320		
t_FDD_AttenTblY_Uls_u8p8[0]	49		
t_FDD_AttenTblY_Uls_u8p8[1]	51		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.10000038		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.200012		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.010002		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_I	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrl	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwI	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_I	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125487.031	125487.031 ± 0.0625	✓

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Name	Actual Value	Expected Value	Result
Prev1PreAttnComp_MtrNm_M_f32	14899619	14899618 ± 99.9	✓
Prev1ScIDrvVel_RadpS_M_f32	540.226318	540.226318 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.10000002 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	2205.30005	2205.30005 ± 0.00390625	✓
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.33333302 ± 0.00390625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	2.22103405	2.22103333 ± 0.00390625	✓
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125589.211
Prev1PreAttnComp_MtrNm_M_f32	-1.10000002
Prev1ScIDrvVel_RadpS_M_f32	-445.299988
Prev2PreAttnComp_MtrNm_M_f32	-6.80000019
Prev2ScIDrvVel_RadpS_M_f32	-220.300003
PrevTbarAng_HwDeg_M_f32	4.33900023
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.2999992
k_CmnTbarStiff_NmpDeg_f32	2.29999995
k_DmpDecelGainFSlew_UlspS_f32	200.029999
k_DmpDecelGain_Uls_f32	3.5999999
k_DmpGainOffThresh_KphpS_f32	20.2000008
k_DmpGainOnThresh_KphpS_f32	35.2999992
k_InrtCmp_MtrInertia_KgmSq_f32	9.00000014e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	352
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	400
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10
t_FDD_BlendTbIY_Uls_u8p8[3]	13

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Name	Input Value		
t_FDD_BlendTbIY_Uls_u8p8[4]	15		
t_FDD_BlendTbIY_Uls_u8p8[5]	18		
t_FDD_BlendTbIY_Uls_u8p8[6]	20		
t_FDD_BlendTbIY_Uls_u8p8[7]	23		
t_FDD_BlendTbIY_Uls_u8p8[8]	26		
t_FDD_BlendTbIY_Uls_u8p8[9]	28		
t_FDD_BlendTbIY_Uls_u8p8[10]	31		
t_FDD_BlendTbIY_Uls_u8p8[11]	33		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTbIY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	9830		
t_WIRBlndTbIX_MtrNm_u8p8[0]	538		
t_WIRBlndTbIX_MtrNm_u8p8[1]	563		
t_WIRBlndTbIX_MtrNm_u8p8[2]	589		
t_WIRBlndTbIX_MtrNm_u8p8[3]	614		
t_WIRBlndTbIX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-600.299988		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	20.0300007		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	200.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.29999995		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmc	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_I	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSi	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwI	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_I	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125588.813	125588.813 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-321190.063	-321190.156 ± 0.9	✔
Prev1SciDrvVel_RadpS_M_f32	-480.309448	-480.309448 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.10000002 ± 0.00048828125	✔
Prev2SciDrvVel_RadpS_M_f32	-445.299988	-445.299988 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	4.347826	4.347826 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.865101695	-0.865065217 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125691.188
Prev1PreAttnComp_MtrNm_M_f32	2.20000005
Prev1ScIDrvVel_RadpS_M_f32	292.600006
Prev2PreAttnComp_MtrNm_M_f32	6.80000019
Prev2ScIDrvVel_RadpS_M_f32	105.099998
PrevTbarAng_HwDeg_M_f32	-0.00100000005
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002
k_CmnSysKinRatio_MtrDegpHwDeg_f32	30.2000008
k_CmnTbarStiff_NmpDeg_f32	3.5
k_DmpDecelGainFSlew_UlspS_f32	100.019997
k_DmpDecelGain_Uls_f32	4.5
k_DmpGainOffThresh_KphpS_f32	22.1000004
k_DmpGainOnThresh_KphpS_f32	40.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	1.99999995e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	448
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	480
t_FDD_AttenTbIY_Uls_u8p8[0]	93
t_FDD_AttenTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[0]	10
t_FDD_BlendTbIY_Uls_u8p8[1]	13
t_FDD_BlendTbIY_Uls_u8p8[2]	15
t_FDD_BlendTbIY_Uls_u8p8[3]	18
t_FDD_BlendTbIY_Uls_u8p8[4]	20
t_FDD_BlendTbIY_Uls_u8p8[5]	23
t_FDD_BlendTbIY_Uls_u8p8[6]	26
t_FDD_BlendTbIY_Uls_u8p8[7]	28
t_FDD_BlendTbIY_Uls_u8p8[8]	31
t_FDD_BlendTbIY_Uls_u8p8[9]	33
t_FDD_BlendTbIY_Uls_u8p8[10]	36
t_FDD_BlendTbIY_Uls_u8p8[11]	38

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	794		
t_WIRBlndTblX_MtrNm_u8p8[1]	819		
t_WIRBlndTblX_MtrNm_u8p8[2]	845		
t_WIRBlndTblX_MtrNm_u8p8[3]	870		
t_WIRBlndTblX_MtrNm_u8p8[4]	896		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	7.30000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	500.399994		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	30.0100002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	300.049988		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125690.984	125690.984 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	232822.953	232822.969 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	350.610321	350.610321 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.20000005	2.20000005 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	292.600006	292.600006 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0	0 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.78252006	1.78252006 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125793.156
Prev1PreAttnComp_MtrNm_M_f32	-2.20000005
Prev1ScIDrvVel_RadpS_M_f32	-160.300003
Prev2PreAttnComp_MtrNm_M_f32	-5.19999981
Prev2ScIDrvVel_RadpS_M_f32	-301.200012
PrevTbarAng_HwDeg_M_f32	-1.15489995
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.478560001
k_CmnSysKinRatio_MtrDegpHwDeg_f32	40.4000015
k_CmnTbarStiff_NmpDeg_f32	4.5
k_DmpDecelGainFSlew_UlspS_f32	200.050003
k_DmpDecelGain_Uls_f32	3.20000005
k_DmpGainOffThresh_KphpS_f32	22.2999992
k_DmpGainOnThresh_KphpS_f32	45.5999985
k_InrtCmp_MtrInertia_KgmSq_f32	2.99999992e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1793
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	2387
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	512
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	560
t_FDD_AttenTbIY_Uls_u8p8[0]	116
t_FDD_AttenTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33
t_FDD_BlendTbIY_Uls_u8p8[9]	36
t_FDD_BlendTbIY_Uls_u8p8[10]	38
t_FDD_BlendTbIY_Uls_u8p8[11]	41

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1050		
t_WIRBlndTblX_MtrNm_u8p8[1]	1075		
t_WIRBlndTblX_MtrNm_u8p8[2]	1101		
t_WIRBlndTblX_MtrNm_u8p8[3]	1126		
t_WIRBlndTblX_MtrNm_u8p8[4]	1152		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-7.0999999		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-500.5		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-5.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	40.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	400.059998		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.0999999		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125792.758	125792.758 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	512151.25	512151.219 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-300.610382	-300.610382 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.20000005 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-160.300003	-160.300003 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-1.15555549	-1.15555561 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.939015687	-0.939021349 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125895.133
Prev1PreAttnComp_MtrNm_M_f32	3.29999995
Prev1ScIDrvVel_RadpS_M_f32	2625.30005
Prev2PreAttnComp_MtrNm_M_f32	5.19999981
Prev2ScIDrvVel_RadpS_M_f32	157.199997
PrevTbarAng_HwDeg_M_f32	1.00899994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.589630008
k_CmnSysKinRatio_MtrDegpHwDeg_f32	50.0299988
k_CmnTbarStiff_NmpDeg_f32	5.19999981
k_DmpDecelGainFSlew_UlspS_f32	300.059998
k_DmpDecelGain_Uls_f32	4.19999981
k_DmpGainOffThresh_KphpS_f32	33.2000008
k_DmpGainOnThresh_KphpS_f32	15.1999998
k_InrtCmp_MtrInertia_KgmSq_f32	3.9999999e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	2387
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1246
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1638
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2030
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2422
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3206
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3598
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3990
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4382
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4774
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	512
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	560
t_FDD_AttenTbIY_Uls_u8p8[0]	144
t_FDD_AttenTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[0]	15
t_FDD_BlendTbIY_Uls_u8p8[1]	18
t_FDD_BlendTbIY_Uls_u8p8[2]	20
t_FDD_BlendTbIY_Uls_u8p8[3]	23
t_FDD_BlendTbIY_Uls_u8p8[4]	26
t_FDD_BlendTbIY_Uls_u8p8[5]	28
t_FDD_BlendTbIY_Uls_u8p8[6]	31
t_FDD_BlendTbIY_Uls_u8p8[7]	33
t_FDD_BlendTbIY_Uls_u8p8[8]	36
t_FDD_BlendTbIY_Uls_u8p8[9]	38
t_FDD_BlendTbIY_Uls_u8p8[10]	41
t_FDD_BlendTbIY_Uls_u8p8[11]	44

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	205		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	6.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	400.600006		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	5.30000019		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-10.0500002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	500.079987		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125894.531	125894.531 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	16663430	16663430 ± 99.9	✔
Prev1SclDrvVel_RadpS_M_f32	202.182922	202.182892 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	3.29999995	3.29999995 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	2625.30005	2625.30005 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.01923084	1.01923072 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.63177729	3.63173914 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125997.109
Prev1PreAttnComp_MtrNm_M_f32	-3.29999995
Prev1ScIDrvVel_RadpS_M_f32	-4021.30005
Prev2PreAttnComp_MtrNm_M_f32	-2.29999995
Prev2ScIDrvVel_RadpS_M_f32	-363.200012
PrevTbarAng_HwDeg_M_f32	0.158999994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.5999999
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981
k_CmnSysKinRatio_MtrDegpHwDeg_f32	60.0499992
k_CmnTbarStiff_NmpDeg_f32	6.19999981
k_DmpDecelGainFSlew_UlspS_f32	400.049988
k_DmpDecelGain_Uls_f32	6.5
k_DmpGainOffThresh_KphpS_f32	44.5
k_DmpGainOnThresh_KphpS_f32	20.6000004
k_InrtCmp_MtrInertia_KgmSq_f32	7.9999998e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1427
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1655
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1884
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2112
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2340
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2568
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2796
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3252
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3480
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	656
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	720
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-6.30000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.01999998		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-20.0100002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	110.07		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.30000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125996.313	125996.313 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-9984653	-9984653 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-447.704346	-447.704346 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995	-3.29999995 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-4021.30005	-4021.30005 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.164516136	0.164516136 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.684389591	-0.684389591 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126099.086
Prev1PreAttnComp_MtrNm_M_f32	4.4000001
Prev1ScIDrvVel_RadpS_M_f32	1234.19995
Prev2PreAttnComp_MtrNm_M_f32	2.29999995
Prev2ScIDrvVel_RadpS_M_f32	4678.2002
PrevTbarAng_HwDeg_M_f32	-0.128999993
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.19999981
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001
k_CmnSysKinRatio_MtrDegpHwDeg_f32	70.5
k_CmnTbarStiff_NmpDeg_f32	7.5
k_DmpDecelGainFSlew_UlspS_f32	500.019989
k_DmpDecelGain_Uls_f32	5.5999999
k_DmpGainOffThresh_KphpS_f32	8.60000038
k_DmpGainOnThresh_KphpS_f32	25.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	9.00000014e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	384
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	768
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	800
t_FDD_AttenTbIY_Uls_u8p8[0]	218
t_FDD_AttenTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[0]	20
t_FDD_BlendTbIY_Uls_u8p8[1]	23
t_FDD_BlendTbIY_Uls_u8p8[2]	26
t_FDD_BlendTbIY_Uls_u8p8[3]	28
t_FDD_BlendTbIY_Uls_u8p8[4]	31
t_FDD_BlendTbIY_Uls_u8p8[5]	33
t_FDD_BlendTbIY_Uls_u8p8[6]	36
t_FDD_BlendTbIY_Uls_u8p8[7]	38
t_FDD_BlendTbIY_Uls_u8p8[8]	41
t_FDD_BlendTbIY_Uls_u8p8[9]	44
t_FDD_BlendTbIY_Uls_u8p8[10]	46
t_FDD_BlendTbIY_Uls_u8p8[11]	49

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1766		
t_WIRBlndTblX_MtrNm_u8p8[1]	1792		
t_WIRBlndTblX_MtrNm_u8p8[2]	1818		
t_WIRBlndTblX_MtrNm_u8p8[3]	1843		
t_WIRBlndTblX_MtrNm_u8p8[4]	1869		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	4.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-1.02999997		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-30.0499992		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	120.080002		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.0999999		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126098.086	126098.086 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-3128609.5	-3128609.25 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	340.747711	340.747681 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	4.4000001	4.4000001 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	1234.19995	1234.19995 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.137333333	-0.137333333 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	6.04672861	6.04672861 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.10 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126201.063
Prev1PreAttnComp_MtrNm_M_f32	-4.4000001
Prev1ScIDrvVel_RadpS_M_f32	-270.200012
Prev2PreAttnComp_MtrNm_M_f32	-1.70000005
Prev2ScIDrvVel_RadpS_M_f32	-15.3000002
PrevTbarAng_HwDeg_M_f32	0.279000014
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.0258959997
k_CmnSysKinRatio_MtrDegpHwDeg_f32	80.0199966
k_CmnTbarStiff_NmpDeg_f32	8.80000019
k_DmpDecelGainFSlew_UlspS_f32	600.059998
k_DmpDecelGain_Uls_f32	7.19999981
k_DmpGainOffThresh_KphpS_f32	16.2000008
k_DmpGainOnThresh_KphpS_f32	30.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	9.99999975e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	704
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	832
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1344

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1472
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	784
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	880
t_FDD_AttenTbIY_Uls_u8p8[0]	63
t_FDD_AttenTbIY_Uls_u8p8[1]	66
t_FDD_BlendTbIY_Uls_u8p8[0]	49
t_FDD_BlendTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[2]	54
t_FDD_BlendTbIY_Uls_u8p8[3]	57
t_FDD_BlendTbIY_Uls_u8p8[4]	60
t_FDD_BlendTbIY_Uls_u8p8[5]	63
t_FDD_BlendTbIY_Uls_u8p8[6]	66
t_FDD_BlendTbIY_Uls_u8p8[7]	68
t_FDD_BlendTbIY_Uls_u8p8[8]	71
t_FDD_BlendTbIY_Uls_u8p8[9]	74
t_FDD_BlendTbIY_Uls_u8p8[10]	77
t_FDD_BlendTbIY_Uls_u8p8[11]	80

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	282		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	410		
t_WIRBlndTblX_MtrNm_u8p8[1]	435		
t_WIRBlndTblX_MtrNm_u8p8[2]	461		
t_WIRBlndTblX_MtrNm_u8p8[3]	486		
t_WIRBlndTblX_MtrNm_u8p8[4]	512		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-4.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-40.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	130.089996		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.0999999		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126199.859	126199.859 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-377091.875	-377091.875 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-0.866061449	-0.866061509 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.4000001	-4.4000001 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-270.200012	-270.200012 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.284090906	0.284090906 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-5.29165506	-5.29165506 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.11 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126303.031
Prev1PreAttnComp_MtrNm_M_f32	5.5
Prev1ScIDrvVel_RadpS_M_f32	6789
Prev2PreAttnComp_MtrNm_M_f32	1.70000005
Prev2ScIDrvVel_RadpS_M_f32	5322.2002
PrevTbarAng_HwDeg_M_f32	-0.268999994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.19999981
TbarVelFiltSv_M_str.K_Uls_f32	0.0369799994
k_CmnSysKinRatio_MtrDegpHwDeg_f32	90.0199966
k_CmnTbarStiff_NmpDeg_f32	9.60000038
k_DmpDecelGainFSlew_UlspS_f32	700.02002
k_DmpDecelGain_Uls_f32	8.5
k_DmpGainOffThresh_KphpS_f32	24.1000004
k_DmpGainOnThresh_KphpS_f32	35.2999992
k_InrtCmp_MtrInertia_KgmSq_f32	7.9999998e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.100000001
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1344
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1184

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1312
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	14592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	14624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	14656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	14688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	14720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	14752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	944
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	960
t_FDD_AttenTbIY_Uls_u8p8[0]	78
t_FDD_AttenTbIY_Uls_u8p8[1]	80
t_FDD_BlendTbIY_Uls_u8p8[0]	65
t_FDD_BlendTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[2]	70
t_FDD_BlendTbIY_Uls_u8p8[3]	73
t_FDD_BlendTbIY_Uls_u8p8[4]	75
t_FDD_BlendTbIY_Uls_u8p8[5]	78
t_FDD_BlendTbIY_Uls_u8p8[6]	80
t_FDD_BlendTbIY_Uls_u8p8[7]	83
t_FDD_BlendTbIY_Uls_u8p8[8]	86
t_FDD_BlendTbIY_Uls_u8p8[9]	88
t_FDD_BlendTbIY_Uls_u8p8[10]	91
t_FDD_BlendTbIY_Uls_u8p8[11]	93

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[0]	166		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[1]	179		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[2]	192		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[3]	205		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[4]	218		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[5]	230		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[6]	243		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[7]	256		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[8]	269		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[9]	282		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[10]	294		
t_InrtCmp_ScaleFactorTbly_Uls_u9p7[11]	307		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTbly_Uls_u9p7[11]	29		
t_RIAstWIRBlndTbly_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTbly_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTbly_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTbly_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTbly_Uls_u2p14[4]	13107		
t_WIRBlndTbIX_MtrNm_u8p8[0]	666		
t_WIRBlndTbIX_MtrNm_u8p8[1]	691		
t_WIRBlndTbIX_MtrNm_u8p8[2]	717		
t_WIRBlndTbIX_MtrNm_u8p8[3]	742		
t_WIRBlndTbIX_MtrNm_u8p8[4]	768		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	3.0999999		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-350.200012		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-2.5999999		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	11.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	140.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.10000002		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126301.633	126301.633 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1181610.88	1181610.5 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-33.2495117	-33.2495117 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	5.5	5.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	6789	6789 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.270833313	-0.270833343 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.9738059	4.9738059 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.12 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126405.008
Prev1PreAttnComp_MtrNm_M_f32	-5.5
Prev1ScIDrvVel_RadpS_M_f32	-37.0299988
Prev2PreAttnComp_MtrNm_M_f32	-8.30000019
Prev2ScIDrvVel_RadpS_M_f32	-42.2000008
PrevTbarAng_HwDeg_M_f32	2.45900011
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.19999981
TbarVelFiltSv_M_str.K_Uls_f32	0.0254699998
k_CmnSysKinRatio_MtrDegpHwDeg_f32	11.1199999
k_CmnTbarStiff_NmpDeg_f32	1.5
k_DmpDecelGainFSlew_UlspS_f32	800.01001
k_DmpDecelGain_Uls_f32	9.5
k_DmpGainOffThresh_KphpS_f32	32.2999992
k_DmpGainOnThresh_KphpS_f32	40.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	9.00000014e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.899999976
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	224

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	352
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	20960
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	20992
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	21024
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	21056
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	21088
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	21120
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1008
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1040
t_FDD_AttenTbIY_Uls_u8p8[0]	106
t_FDD_AttenTbIY_Uls_u8p8[1]	109
t_FDD_BlendTbIY_Uls_u8p8[0]	93
t_FDD_BlendTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[2]	99
t_FDD_BlendTbIY_Uls_u8p8[3]	101
t_FDD_BlendTbIY_Uls_u8p8[4]	104
t_FDD_BlendTbIY_Uls_u8p8[5]	106
t_FDD_BlendTbIY_Uls_u8p8[6]	109
t_FDD_BlendTbIY_Uls_u8p8[7]	111
t_FDD_BlendTbIY_Uls_u8p8[8]	114
t_FDD_BlendTbIY_Uls_u8p8[9]	116
t_FDD_BlendTbIY_Uls_u8p8[10]	119
t_FDD_BlendTbIY_Uls_u8p8[11]	122

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	346		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-3.20000005		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	350.299988		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	3.70000005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	22.0300007		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	150.029999		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126403.406	126403.406 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-343428.688	-343428.781 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	314.997375	314.997375 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-5.5	-5.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-37.0299988	-37.0299988 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	2.4666667	2.4666667 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.99539185	-3.99539089 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126506.984
Prev1PreAttnComp_MtrNm_M_f32	6.5999999
Prev1ScIDrvVel_RadpS_M_f32	26.0200005
Prev2PreAttnComp_MtrNm_M_f32	8.30000019
Prev2ScIDrvVel_RadpS_M_f32	17.2000008
PrevTbarAng_HwDeg_M_f32	-1.50999999
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.30000019
TbarVelFiltSv_M_str.K_Uls_f32	0.0214499999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	22.1299992
k_CmnTbarStiff_NmpDeg_f32	2.5
k_DmpDecelGainFSlew_UlspS_f32	900.030029
k_DmpDecelGain_Uls_f32	1.10000002
k_DmpGainOffThresh_KphpS_f32	40.2000008
k_DmpGainOnThresh_KphpS_f32	45.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	9.99999975e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	544

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	672
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	25216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	25248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	25280
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	25312
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	25344
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	25376
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1088
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1120
t_FDD_AttenTbIY_Uls_u8p8[0]	129
t_FDD_AttenTbIY_Uls_u8p8[1]	131
t_FDD_BlendTbIY_Uls_u8p8[0]	116
t_FDD_BlendTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[2]	121
t_FDD_BlendTbIY_Uls_u8p8[3]	123
t_FDD_BlendTbIY_Uls_u8p8[4]	126
t_FDD_BlendTbIY_Uls_u8p8[5]	129
t_FDD_BlendTbIY_Uls_u8p8[6]	131
t_FDD_BlendTbIY_Uls_u8p8[7]	134
t_FDD_BlendTbIY_Uls_u8p8[8]	136
t_FDD_BlendTbIY_Uls_u8p8[9]	139
t_FDD_BlendTbIY_Uls_u8p8[10]	141
t_FDD_BlendTbIY_Uls_u8p8[11]	144

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	346		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	358		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.80000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-400.200012		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-3.79999995		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	33.0499992		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	160.009995		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.29999995		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126505.188	126505.188 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1010980	1010980.13 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-319.417603	-319.417603 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5999999	6.5999999 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	26.0200005	26.0200005 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-1.51999998	-1.51999998 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	4.10051537	4.10051489 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.14 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126608.961
Prev1PreAttnComp_MtrNm_M_f32	-6.5999999
Prev1ScIDrvVel_RadpS_M_f32	-33.0499992
Prev2PreAttnComp_MtrNm_M_f32	-7.5
Prev2ScIDrvVel_RadpS_M_f32	-922.299988
PrevTbarAng_HwDeg_M_f32	1.15999997
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.0369199999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	33.1500015
k_CmnTbarStiff_NmpDeg_f32	3.5
k_DmpDecelGainFSlew_UlspS_f32	1000.04999
k_DmpDecelGain_Uls_f32	1.5
k_DmpGainOffThresh_KphpS_f32	48.2000008
k_DmpGainOnThresh_KphpS_f32	47.5999985
k_InrtCmp_MtrInertia_KgmSq_f32	0.000110000001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.99000001
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1152
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1200
t_FDD_AttenTbIY_Uls_u8p8[0]	157
t_FDD_AttenTbIY_Uls_u8p8[1]	161
t_FDD_BlendTbIY_Uls_u8p8[0]	144
t_FDD_BlendTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[2]	149
t_FDD_BlendTbIY_Uls_u8p8[3]	152
t_FDD_BlendTbIY_Uls_u8p8[4]	154
t_FDD_BlendTbIY_Uls_u8p8[5]	157
t_FDD_BlendTbIY_Uls_u8p8[6]	159
t_FDD_BlendTbIY_Uls_u8p8[7]	162
t_FDD_BlendTbIY_Uls_u8p8[8]	164
t_FDD_BlendTbIY_Uls_u8p8[9]	167
t_FDD_BlendTbIY_Uls_u8p8[10]	169
t_FDD_BlendTbIY_Uls_u8p8[11]	172

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1434		
t_WIRBlndTblX_MtrNm_u8p8[1]	1459		
t_WIRBlndTblX_MtrNm_u8p8[2]	1485		
t_WIRBlndTblX_MtrNm_u8p8[3]	1510		
t_WIRBlndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.80000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	300.600006		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	4.0999999		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-11.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	170.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.4000001		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126606.961	126606.961 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	1334381.63	1334381.75 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	296.508514	296.508514 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5999999	-6.5999999 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-33.0499992	-33.0499992 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.17142856	1.17142856 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-3.15980816	-3.15980864 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126710.938
Prev1PreAttnComp_MtrNm_M_f32	7.69999981
Prev1ScIDrvVel_RadpS_M_f32	18.0300007
Prev2PreAttnComp_MtrNm_M_f32	7.5
Prev2ScIDrvVel_RadpS_M_f32	28.5
PrevTbarAng_HwDeg_M_f32	-0.920000017
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.19999981
TbarVelFiltSv_M_str.K_Uls_f32	0.0125799999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	44.5099983
k_CmnTbarStiff_NmpDeg_f32	4.5
k_DmpDecelGainFSlew_UlspS_f32	1100.02002
k_DmpDecelGain_Uls_f32	1.89999998
k_DmpGainOffThresh_KphpS_f32	4.19999981
k_DmpGainOnThresh_KphpS_f32	30.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.000119999997
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1488
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1504
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1520
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1536
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1552
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1568
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3808
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3840
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3936
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1232
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1280
t_FDD_AttenTbIY_Uls_u8p8[0]	183
t_FDD_AttenTbIY_Uls_u8p8[1]	185
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-300.100006		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-4.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-22.0100002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	180.050003		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.5999999		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126710.938	126710.938 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	26591.9277	26591.9277 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-177.270554	-177.270538 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.69999981	7.69999981 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	18.0300007	18.0300007 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.933333278	-0.933333337 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	5.05071735	5.05071735 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.16 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126812.906
Prev1PreAttnComp_MtrNm_M_f32	-7.69999981
Prev1ScIDrvVel_RadpS_M_f32	-28.5
Prev2PreAttnComp_MtrNm_M_f32	-6.5
Prev2ScIDrvVel_RadpS_M_f32	-297.299988
PrevTbarAng_HwDeg_M_f32	1.14499998
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.19999981
TbarVelFiltSv_M_str.K_Uls_f32	0.0325700007
k_CmnSysKinRatio_MtrDegpHwDeg_f32	55.1199989
k_CmnTbarStiff_NmpDeg_f32	5.5
k_DmpDecelGainFSlew_UlspS_f32	1200.05005
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	8.19999981
k_DmpGainOnThresh_KphpS_f32	35.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.00013
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5280
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5312
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5344
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5376
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5408
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5440
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	2387
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1296
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1360
t_FDD_AttenTbIY_Uls_u8p8[0]	230
t_FDD_AttenTbIY_Uls_u8p8[1]	232
t_FDD_BlendTbIY_Uls_u8p8[0]	218
t_FDD_BlendTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[2]	223
t_FDD_BlendTbIY_Uls_u8p8[3]	225
t_FDD_BlendTbIY_Uls_u8p8[4]	227
t_FDD_BlendTbIY_Uls_u8p8[5]	230
t_FDD_BlendTbIY_Uls_u8p8[6]	232
t_FDD_BlendTbIY_Uls_u8p8[7]	234
t_FDD_BlendTbIY_Uls_u8p8[8]	237
t_FDD_BlendTbIY_Uls_u8p8[9]	239
t_FDD_BlendTbIY_Uls_u8p8[10]	241
t_FDD_BlendTbIY_Uls_u8p8[11]	243

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-5.4000001		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	200.199997		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	6.30000019		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-33.0499992		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	190.050003		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.69999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126812.906	126812.906 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	267220.719	267220.719 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	96.8688278	96.8688354 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-7.69999981	-7.69999981 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-28.5	-28.5 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.14545453	1.14545453 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-4.05580378	-4.05580378 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.17 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	126914.883
Prev1PreAttnComp_MtrNm_M_f32	1.5
Prev1ScIDrvVel_RadpS_M_f32	24.6000004
Prev2PreAttnComp_MtrNm_M_f32	6.5
Prev2ScIDrvVel_RadpS_M_f32	382.200012
PrevTbarAng_HwDeg_M_f32	-0.978999972
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.30000019
TbarVelFiltSv_M_str.K_Uls_f32	0.0963210016
k_CmnSysKinRatio_MtrDegpHwDeg_f32	66.1299973
k_CmnTbarStiff_NmpDeg_f32	6.5
k_DmpDecelGainFSlew_UlspS_f32	1300.06006
k_DmpDecelGain_Uls_f32	5.5999999
k_DmpGainOffThresh_KphpS_f32	12.1999998
k_DmpGainOnThresh_KphpS_f32	40.0999985
k_InrtCmp_MtrInertia_KgmSq_f32	0.000140000004
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	11680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	11712
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	11744
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	11776
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	11808
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	11840
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1246
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1638
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2030
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2422
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3206
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3598
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3990
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4382
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4774
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1344
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1440
t_FDD_AttenTbIY_Uls_u8p8[0]	71
t_FDD_AttenTbIY_Uls_u8p8[1]	74
t_FDD_BlendTbIY_Uls_u8p8[0]	3
t_FDD_BlendTbIY_Uls_u8p8[1]	5
t_FDD_BlendTbIY_Uls_u8p8[2]	8
t_FDD_BlendTbIY_Uls_u8p8[3]	10
t_FDD_BlendTbIY_Uls_u8p8[4]	13
t_FDD_BlendTbIY_Uls_u8p8[5]	15
t_FDD_BlendTbIY_Uls_u8p8[6]	18
t_FDD_BlendTbIY_Uls_u8p8[7]	20
t_FDD_BlendTbIY_Uls_u8p8[8]	23
t_FDD_BlendTbIY_Uls_u8p8[9]	26
t_FDD_BlendTbIY_Uls_u8p8[10]	28
t_FDD_BlendTbIY_Uls_u8p8[11]	31

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	5.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-200.399994		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-6.4000001		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-44.0600014		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	210.029999		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	126912.281	126912.281 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-756922.563	-756922.438 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-79.67099	-79.6709976 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.5	1.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	24.6000004	24.6000004 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.984615386	-0.984615386 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.61537886	3.61538005 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.18 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127016.859
Prev1PreAttnComp_MtrNm_M_f32	-1.5
Prev1ScIDrvVel_RadpS_M_f32	-16.2000008
Prev2PreAttnComp_MtrNm_M_f32	-4.5
Prev2ScIDrvVel_RadpS_M_f32	-25.6000004
PrevTbarAng_HwDeg_M_f32	0.989000022
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.0478519984
k_CmnSysKinRatio_MtrDegpHwDeg_f32	77.1399994
k_CmnTbarStiff_NmpDeg_f32	7.5
k_DmpDecelGainFSlew_UlspS_f32	1400.05005
k_DmpDecelGain_Uls_f32	2.0999999
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	45.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.00015000007
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	224

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	352
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1520
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1536
t_FDD_AttenTbIY_Uls_u8p8[0]	86
t_FDD_AttenTbIY_Uls_u8p8[1]	88
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10
t_FDD_BlendTbIY_Uls_u8p8[3]	13
t_FDD_BlendTbIY_Uls_u8p8[4]	15
t_FDD_BlendTbIY_Uls_u8p8[5]	18
t_FDD_BlendTbIY_Uls_u8p8[6]	20
t_FDD_BlendTbIY_Uls_u8p8[7]	23
t_FDD_BlendTbIY_Uls_u8p8[8]	26
t_FDD_BlendTbIY_Uls_u8p8[9]	28
t_FDD_BlendTbIY_Uls_u8p8[10]	31
t_FDD_BlendTbIY_Uls_u8p8[11]	33

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	205		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	2.20000005		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	100.800003		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	7.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	11.0100002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	3.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127014.063	127014.063 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-12284.4609	-12284.46 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	30.5068626	30.5068626 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-16.2000008	-16.2000008 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1	1 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.69140744	1.69140804 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127118.836
Prev1PreAttnComp_MtrNm_M_f32	2.5
Prev1ScIDrvVel_RadpS_M_f32	100.800003
Prev2PreAttnComp_MtrNm_M_f32	4.5
Prev2ScIDrvVel_RadpS_M_f32	987.5
PrevTbarAng_HwDeg_M_f32	-0.893999994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.60000002
TbarVelFiltSv_M_str.K_Uls_f32	0.235599995
k_CmnSysKinRatio_MtrDegpHwDeg_f32	88.1500015
k_CmnTbarStiff_NmpDeg_f32	8.5
k_DmpDecelGainFSlew_UlspS_f32	1500.02002
k_DmpDecelGain_Uls_f32	2.20000005
k_DmpGainOffThresh_KphpS_f32	20.6000004
k_DmpGainOnThresh_KphpS_f32	22.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.000159999996
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	544

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	672
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1552
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1600
t_FDD_AttenTbIY_Uls_u8p8[0]	114
t_FDD_AttenTbIY_Uls_u8p8[1]	116
t_FDD_BlendTbIY_Uls_u8p8[0]	10
t_FDD_BlendTbIY_Uls_u8p8[1]	13
t_FDD_BlendTbIY_Uls_u8p8[2]	15
t_FDD_BlendTbIY_Uls_u8p8[3]	18
t_FDD_BlendTbIY_Uls_u8p8[4]	20
t_FDD_BlendTbIY_Uls_u8p8[5]	23
t_FDD_BlendTbIY_Uls_u8p8[6]	26
t_FDD_BlendTbIY_Uls_u8p8[7]	28
t_FDD_BlendTbIY_Uls_u8p8[8]	31
t_FDD_BlendTbIY_Uls_u8p8[9]	33
t_FDD_BlendTbIY_Uls_u8p8[10]	36
t_FDD_BlendTbIY_Uls_u8p8[11]	38

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1434		
t_WIRBlndTblX_MtrNm_u8p8[1]	1459		
t_WIRBlndTblX_MtrNm_u8p8[2]	1485		
t_WIRBlndTblX_MtrNm_u8p8[3]	1510		
t_WIRBlndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-2.0999999		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-100.400002		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-7.5999999		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	12.0299997		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	511.992188		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127115.836	127115.836 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-388429.438	-388429.5 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-20.7490158	-20.7490158 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	100.800003	100.800003 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.894117653	-0.894117653 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-1.23690033	-1.23689878 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127220.813
Prev1PreAttnComp_MtrNm_M_f32	-2.5
Prev1ScIDrvVel_RadpS_M_f32	-69.5999985
Prev2PreAttnComp_MtrNm_M_f32	-3.5
Prev2ScIDrvVel_RadpS_M_f32	-59.2000008
PrevTbarAng_HwDeg_M_f32	0.908999979
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	1.20000005
TbarVelFiltSv_M_str.K_Uls_f32	0.347900003
k_CmnSysKinRatio_MtrDegpHwDeg_f32	99.1200027
k_CmnTbarStiff_NmpDeg_f32	9.5
k_DmpDecelGainFSlew_UlspS_f32	1600.03003
k_DmpDecelGain_Uls_f32	2.5999999
k_DmpGainOffThresh_KphpS_f32	22.2999992
k_DmpGainOnThresh_KphpS_f32	33.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.000300000014
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.100000001
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1616
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1680
t_FDD_AttenTbIY_Uls_u8p8[0]	136
t_FDD_AttenTbIY_Uls_u8p8[1]	139
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33
t_FDD_BlendTbIY_Uls_u8p8[9]	36
t_FDD_BlendTbIY_Uls_u8p8[10]	38
t_FDD_BlendTbIY_Uls_u8p8[11]	41

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	1.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	150.5		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	8.69999981		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	13.0500002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	250.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127217.609	127217.609 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-34957.4961	-34957.4961 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	16.6422844	16.6422882 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-69.5999985	-69.5999985 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.915789425	0.915789485 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.96354413	1.9635489 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.21 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127322.781
Prev1PreAttnComp_MtrNm_M_f32	-3.5
Prev1ScIDrvVel_RadpS_M_f32	-49.2000008
Prev2PreAttnComp_MtrNm_M_f32	-2.4000001
Prev2ScIDrvVel_RadpS_M_f32	-366.200012
PrevTbarAng_HwDeg_M_f32	-6.77099991
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-1.5
TbarVelFiltSv_M_str.K_Uls_f32	0.224399999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.0200005
k_CmnTbarStiff_NmpDeg_f32	1.29999995
k_DmpDecelGainFSlew_UlspS_f32	1700.05005
k_DmpDecelGain_Uls_f32	2.0999999
k_DmpGainOffThresh_KphpS_f32	16.2000008
k_DmpGainOnThresh_KphpS_f32	44.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.00031000003
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.899999976
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	64

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	192
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1728
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1760
t_FDD_AttenTbIY_Uls_u8p8[0]	166
t_FDD_AttenTbIY_Uls_u8p8[1]	166
t_FDD_BlendTbIY_Uls_u8p8[0]	15
t_FDD_BlendTbIY_Uls_u8p8[1]	18
t_FDD_BlendTbIY_Uls_u8p8[2]	20
t_FDD_BlendTbIY_Uls_u8p8[3]	23
t_FDD_BlendTbIY_Uls_u8p8[4]	26
t_FDD_BlendTbIY_Uls_u8p8[5]	28
t_FDD_BlendTbIY_Uls_u8p8[6]	31
t_FDD_BlendTbIY_Uls_u8p8[7]	33
t_FDD_BlendTbIY_Uls_u8p8[8]	36
t_FDD_BlendTbIY_Uls_u8p8[9]	38
t_FDD_BlendTbIY_Uls_u8p8[10]	41
t_FDD_BlendTbIY_Uls_u8p8[11]	44

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	282		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-1.60000002		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-150.600006		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-8.80000019		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	14.0600004		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	220.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	0		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127319.383	127319.383 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	527959.5	527959.438 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-135.810211	-135.810181 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.5	-3.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-49.2000008	-49.2000008 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-6.76923132	-6.76923084 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.96496433	-0.964892328 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	8787
Prev1PreAttnComp_MtrNm_M_f32	4.5
Prev1ScIDrvVel_RadpS_M_f32	22.2999992
Prev2PreAttnComp_MtrNm_M_f32	2.4000001
Prev2ScIDrvVel_RadpS_M_f32	115.199997
PrevTbarAng_HwDeg_M_f32	3.40300012
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	2.5999999
TbarVelFiltSv_M_str.K_Uls_f32	0.336600006
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.0300007
k_CmnTbarStiff_NmpDeg_f32	2.70000005
k_DmpDecelGainFSlew_UlspS_f32	1800.06006
k_DmpDecelGain_Uls_f32	2.20000005
k_DmpGainOffThresh_KphpS_f32	20.2999992
k_DmpGainOnThresh_KphpS_f32	8.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.000319999992
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	1
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1776
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1840
t_FDD_AttenTbIY_Uls_u8p8[0]	189
t_FDD_AttenTbIY_Uls_u8p8[1]	191
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	307		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1178		
t_WIRBlndTblX_MtrNm_u8p8[1]	1203		
t_WIRBlndTblX_MtrNm_u8p8[2]	1229		
t_WIRBlndTblX_MtrNm_u8p8[3]	1254		
t_WIRBlndTblX_MtrNm_u8p8[4]	1280		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	1.10000002		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	250.020004		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	9.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	15.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	230.029999		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	8.80000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	8783.39941	8783.39941 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-3935.75269	-3935.75317 ± 0.009	✔
Prev1SclDrvVel_RadpS_M_f32	250.816666	250.816681 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	22.2999992	22.2999992 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	3.40740728	3.40740752 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	2.46656632	2.46660662 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.23 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	45678
Prev1PreAttnComp_MtrNm_M_f32	-4.5
Prev1ScIDrvVel_RadpS_M_f32	-48.5
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002
Prev2ScIDrvVel_RadpS_M_f32	-380.200012
PrevTbarAng_HwDeg_M_f32	-3.05999994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.448799998
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.25
k_CmnTbarStiff_NmpDeg_f32	3.0999999
k_DmpDecelGainFSlew_UlspS_f32	1900.07996
k_DmpDecelGain_Uls_f32	2.5999999
k_DmpGainOffThresh_KphpS_f32	22.5
k_DmpGainOnThresh_KphpS_f32	16.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.00033000001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.699999988
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3409
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	1920
t_FDD_AttenTbIY_Uls_u8p8[0]	237
t_FDD_AttenTbIY_Uls_u8p8[1]	239
t_FDD_BlendTbIY_Uls_u8p8[0]	20
t_FDD_BlendTbIY_Uls_u8p8[1]	23
t_FDD_BlendTbIY_Uls_u8p8[2]	26
t_FDD_BlendTbIY_Uls_u8p8[3]	28
t_FDD_BlendTbIY_Uls_u8p8[4]	31
t_FDD_BlendTbIY_Uls_u8p8[5]	33
t_FDD_BlendTbIY_Uls_u8p8[6]	36
t_FDD_BlendTbIY_Uls_u8p8[7]	38
t_FDD_BlendTbIY_Uls_u8p8[8]	41
t_FDD_BlendTbIY_Uls_u8p8[9]	44
t_FDD_BlendTbIY_Uls_u8p8[10]	46
t_FDD_BlendTbIY_Uls_u8p8[11]	49

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	346		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1434		
t_WIRBlndTblX_MtrNm_u8p8[1]	1459		
t_WIRBlndTblX_MtrNm_u8p8[2]	1485		
t_WIRBlndTblX_MtrNm_u8p8[3]	1510		
t_WIRBlndTblX_MtrNm_u8p8[4]	1536		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-1.10000002		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-250.029999		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-9.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	35.0099983		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	240.050003		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.5		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	45674.1992	45674.1992 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	57899.4453	57899.4414 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-176.861588	-176.861557 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.5	-4.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-48.5	-48.5 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-3.06451631	-3.06451607 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.39147186	-2.39141941 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127628.711
Prev1PreAttnComp_MtrNm_M_f32	6.5
Prev1ScIDrvVel_RadpS_M_f32	163.600006
Prev2PreAttnComp_MtrNm_M_f32	1.10000002
Prev2ScIDrvVel_RadpS_M_f32	175.300003
PrevTbarAng_HwDeg_M_f32	1.15400004
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.20000005
TbarVelFiltSv_M_str.K_Uls_f32	0.559899986
k_CmnSysKinRatio_MtrDegpHwDeg_f32	27.0599995
k_CmnTbarStiff_NmpDeg_f32	1.29999995
k_DmpDecelGainFSlew_UlspS_f32	200.089996
k_DmpDecelGain_Uls_f32	2.79999995
k_DmpGainOffThresh_KphpS_f32	22.2000008
k_DmpGainOnThresh_KphpS_f32	24.6000004
k_InrtCmp_MtrInertia_KgmSq_f32	0.000339999999
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.600000024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	384
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	512
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	112

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	240
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	13107
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	14746
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2000
t_FDD_AttenTbIY_Uls_u8p8[0]	49
t_FDD_AttenTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[0]	49
t_FDD_BlendTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[2]	54
t_FDD_BlendTbIY_Uls_u8p8[3]	57
t_FDD_BlendTbIY_Uls_u8p8[4]	60
t_FDD_BlendTbIY_Uls_u8p8[5]	63
t_FDD_BlendTbIY_Uls_u8p8[6]	66
t_FDD_BlendTbIY_Uls_u8p8[7]	68
t_FDD_BlendTbIY_Uls_u8p8[8]	71
t_FDD_BlendTbIY_Uls_u8p8[9]	74
t_FDD_BlendTbIY_Uls_u8p8[10]	77
t_FDD_BlendTbIY_Uls_u8p8[11]	80

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	320		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	333		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	346		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	358		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1690		
t_WIRBlndTblX_MtrNm_u8p8[1]	1715		
t_WIRBlndTblX_MtrNm_u8p8[2]	1741		
t_WIRBlndTblX_MtrNm_u8p8[3]	1766		
t_WIRBlndTblX_MtrNm_u8p8[4]	1792		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	2.20000005		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	450.25		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-35.0600014		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	260.019989		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127628.313	127628.313 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-25875.293	-25875.291 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	270.225586	270.225555 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.5	6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	163.600006	163.600006 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	1.15384614	1.15384614 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.36523604	1.36525083 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127730.688
Prev1PreAttnComp_MtrNm_M_f32	-6.5
Prev1ScIDrvVel_RadpS_M_f32	-90.2300034
Prev2PreAttnComp_MtrNm_M_f32	-8.10000038
Prev2ScIDrvVel_RadpS_M_f32	-120.099998
PrevTbarAng_HwDeg_M_f32	-0.55400002
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	4.5
TbarVelFiltSv_M_str.K_Uls_f32	0.125799999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	26.0200005
k_CmnTbarStiff_NmpDeg_f32	2.70000005
k_DmpDecelGainFSlew_UlspS_f32	300.059998
k_DmpDecelGain_Uls_f32	3.5
k_DmpGainOffThresh_KphpS_f32	33.2000008
k_DmpGainOnThresh_KphpS_f32	32.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.00034999998
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.5
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1793
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	704
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	832
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	128

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	256
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1920
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2080
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	65
t_FDD_BlendTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[2]	70
t_FDD_BlendTbIY_Uls_u8p8[3]	73
t_FDD_BlendTbIY_Uls_u8p8[4]	75
t_FDD_BlendTbIY_Uls_u8p8[5]	78
t_FDD_BlendTbIY_Uls_u8p8[6]	80
t_FDD_BlendTbIY_Uls_u8p8[7]	83
t_FDD_BlendTbIY_Uls_u8p8[8]	86
t_FDD_BlendTbIY_Uls_u8p8[9]	88
t_FDD_BlendTbIY_Uls_u8p8[10]	91
t_FDD_BlendTbIY_Uls_u8p8[11]	93

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-2.20000005		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-450.140015		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-1.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	30.02000005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	270.059998		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	7.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127730.086	127730.086 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	44157.7891	44157.7891 ± 0.09	✔
Prev1SclDrvVel_RadpS_M_f32	-224.675308	-224.675308 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-6.5	-6.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-90.2300034	-90.2300034 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.555555522	-0.555555582 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	3.83605886	3.83605552 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127832.656
Prev1PreAttnComp_MtrNm_M_f32	7.5
Prev1ScIDrvVel_RadpS_M_f32	-1100.19995
Prev2PreAttnComp_MtrNm_M_f32	8.10000038
Prev2ScIDrvVel_RadpS_M_f32	-36.2000008
PrevTbarAng_HwDeg_M_f32	0.800000012
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-4.5
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995
k_CmnSysKinRatio_MtrDegpHwDeg_f32	53.1199989
k_CmnTbarStiff_NmpDeg_f32	3.0999999
k_DmpDecelGainFSlew_UlspS_f32	200.020004
k_DmpDecelGain_Uls_f32	3.9000001
k_DmpGainOffThresh_KphpS_f32	15.1999998
k_DmpGainOnThresh_KphpS_f32	40.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.000360000005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.889999986
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	2387
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1344
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1472
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	144

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	272
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	2080
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2160
t_FDD_AttenTbIY_Uls_u8p8[0]	93
t_FDD_AttenTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[0]	93
t_FDD_BlendTbIY_Uls_u8p8[1]	96
t_FDD_BlendTbIY_Uls_u8p8[2]	99
t_FDD_BlendTbIY_Uls_u8p8[3]	101
t_FDD_BlendTbIY_Uls_u8p8[4]	104
t_FDD_BlendTbIY_Uls_u8p8[5]	106
t_FDD_BlendTbIY_Uls_u8p8[6]	109
t_FDD_BlendTbIY_Uls_u8p8[7]	111
t_FDD_BlendTbIY_Uls_u8p8[8]	114
t_FDD_BlendTbIY_Uls_u8p8[9]	116
t_FDD_BlendTbIY_Uls_u8p8[10]	119
t_FDD_BlendTbIY_Uls_u8p8[11]	122

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	31		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	32		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	33		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	35		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	36		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	37		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	38		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	40		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	41		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	42		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	44		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	45		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	794		
t_WIRBlndTblX_MtrNm_u8p8[1]	819		
t_WIRBlndTblX_MtrNm_u8p8[2]	845		
t_WIRBlndTblX_MtrNm_u8p8[3]	870		
t_WIRBlndTblX_MtrNm_u8p8[4]	896		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	3.29999995		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	550.200012		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	280.019989		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.19999981		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127832.258	127832.258 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-2236951.25	-2236951.25 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	488.806824	488.806824 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.5	7.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-1100.19995	-1100.19995 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.806451619	0.806451619 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-2.67284751	-2.67284679 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.27 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	127934.633
Prev1PreAttnComp_MtrNm_M_f32	-7.5
Prev1ScIDrvVel_RadpS_M_f32	250.050003
Prev2PreAttnComp_MtrNm_M_f32	-7.69999981
Prev2ScIDrvVel_RadpS_M_f32	11.5
PrevTbarAng_HwDeg_M_f32	-0.50999999
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.358740002
k_CmnSysKinRatio_MtrDegpHwDeg_f32	75.1200027
k_CmnTbarStiff_NmpDeg_f32	4.80000019
k_DmpDecelGainFSlew_UlspS_f32	300.029999
k_DmpDecelGain_Uls_f32	3.70000005
k_DmpGainOffThresh_KphpS_f32	20.2000008
k_DmpGainOnThresh_KphpS_f32	48.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	0.000369999994
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.300000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1184
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1680
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2240
t_FDD_AttenTbIY_Uls_u8p8[0]	116
t_FDD_AttenTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[0]	116
t_FDD_BlendTbIY_Uls_u8p8[1]	118
t_FDD_BlendTbIY_Uls_u8p8[2]	121
t_FDD_BlendTbIY_Uls_u8p8[3]	123
t_FDD_BlendTbIY_Uls_u8p8[4]	126
t_FDD_BlendTbIY_Uls_u8p8[5]	129
t_FDD_BlendTbIY_Uls_u8p8[6]	131
t_FDD_BlendTbIY_Uls_u8p8[7]	134
t_FDD_BlendTbIY_Uls_u8p8[8]	136
t_FDD_BlendTbIY_Uls_u8p8[9]	139
t_FDD_BlendTbIY_Uls_u8p8[10]	141
t_FDD_BlendTbIY_Uls_u8p8[11]	144

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	192		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	46		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	47		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	49		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	50		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	51		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	52		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	54		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	55		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	56		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	58		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	59		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	60		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1050		
t_WIRBlndTblX_MtrNm_u8p8[1]	1075		
t_WIRBlndTblX_MtrNm_u8p8[2]	1101		
t_WIRBlndTblX_MtrNm_u8p8[3]	1126		
t_WIRBlndTblX_MtrNm_u8p8[4]	1152		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-3.29999995		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-550.299988		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-2.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	50		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	290.01001		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.29999995		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127934.031	127934.031 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	415103.719	415103.781 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-164.116653	-164.116669 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-7.5	-7.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	250.050003	250.050003 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.520833313	-0.520833313 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.58375692	1.58375502 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128036.609
Prev1PreAttnComp_MtrNm_M_f32	8.5
Prev1ScIDrvVel_RadpS_M_f32	5000.02979
Prev2PreAttnComp_MtrNm_M_f32	7.69999981
Prev2ScIDrvVel_RadpS_M_f32	-38.29999992
PrevTbarAng_HwDeg_M_f32	0.660000026
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-5.5
TbarVelFiltSv_M_str.K_Uls_f32	0.478560001
k_CmnSysKinRatio_MtrDegpHwDeg_f32	46.3199997
k_CmnTbarStiff_NmpDeg_f32	5.19999981
k_DmpDecelGainFSlew_UlspS_f32	100.050003
k_DmpDecelGain_Uls_f32	4.80000019
k_DmpGainOffThresh_KphpS_f32	25.2999992
k_DmpGainOnThresh_KphpS_f32	4.19999981
k_InrtCmp_MtrInertia_KgmSq_f32	0.000380000012
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.200000003
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	272
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	288
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	304
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	320
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	336
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	656
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	688
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	704

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	720
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	736
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	752
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	768
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	784
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	800
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	816
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	832
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1648
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2320
t_FDD_AttenTbIY_Uls_u8p8[0]	144
t_FDD_AttenTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[0]	144
t_FDD_BlendTbIY_Uls_u8p8[1]	146
t_FDD_BlendTbIY_Uls_u8p8[2]	149
t_FDD_BlendTbIY_Uls_u8p8[3]	152
t_FDD_BlendTbIY_Uls_u8p8[4]	154
t_FDD_BlendTbIY_Uls_u8p8[5]	157
t_FDD_BlendTbIY_Uls_u8p8[6]	159
t_FDD_BlendTbIY_Uls_u8p8[7]	162
t_FDD_BlendTbIY_Uls_u8p8[8]	164
t_FDD_BlendTbIY_Uls_u8p8[9]	167
t_FDD_BlendTbIY_Uls_u8p8[10]	169
t_FDD_BlendTbIY_Uls_u8p8[11]	172

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Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	294		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	307		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	320		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	61		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	63		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	65		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	67		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	68		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	69		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	70		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	72		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	73		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	74		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	76		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	4.4000001		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	650.01001		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	3.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	305.049988		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.29999995		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128036.406	128036.406 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	34435492	34435492 ± 99.9	✔
Prev1SclDrvVel_RadpS_M_f32	130.127335	130.12735 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.5	8.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	5000.02979	5000.02979 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.673076928	0.673076928 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	0.261120796	0.261126161 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.29 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128138.586
Prev1PreAttnComp_MtrNm_M_f32	-8.5
Prev1ScIDrvVel_RadpS_M_f32	-26.29999992
Prev2PreAttnComp_MtrNm_M_f32	-6.5999999
Prev2ScIDrvVel_RadpS_M_f32	175.199997
PrevTbarAng_HwDeg_M_f32	-0.50999999
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	6.0999999
TbarVelFiltSv_M_str.K_Uls_f32	0.589630008
k_CmnSysKinRatio_MtrDegpHwDeg_f32	28.1200008
k_CmnTbarStiff_NmpDeg_f32	6.80000019
k_DmpDecelGainFSlew_UlspS_f32	200.020004
k_DmpDecelGain_Uls_f32	5.9000001
k_DmpGainOffThresh_KphpS_f32	30.2000008
k_DmpGainOnThresh_KphpS_f32	8.30000019
k_InrtCmp_MtrInertia_KgmSq_f32	0.000390000001
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.100000001
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	496
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	512
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	528
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	544
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	560
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	576
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	592
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	608
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	624
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	640
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	656
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	672
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1312
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1328
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1344

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1360
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1376
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1392
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1408
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1424
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1440
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1456
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1472
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1616
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2400
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-4.4000001		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-650.080017		
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-3.5		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-10.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	315.040009		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	4.30000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128138.188	128138.188 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-420468.938	-420469 ± 0.9	✔
Prev1SclDrvVel_RadpS_M_f32	-64.6186523	-64.6186447 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.5	-8.5 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-26.2999992	-26.2999992 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-0.514705896	-0.514705896 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	1.11588478	1.11589229 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 2.30 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	128240.563
Prev1PreAttnComp_MtrNm_M_f32	1.29999995
Prev1ScIDrvVel_RadpS_M_f32	18.2000008
Prev2PreAttnComp_MtrNm_M_f32	6.5999999
Prev2ScIDrvVel_RadpS_M_f32	-120.800003
PrevTbarAng_HwDeg_M_f32	20
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981
k_CmnSysKinRatio_MtrDegpHwDeg_f32	85.1299973
k_CmnTbarStiff_NmpDeg_f32	0.5
k_DmpDecelGainFSlew_UlspS_f32	300.029999
k_DmpDecelGain_Uls_f32	5.80000019
k_DmpGainOffThresh_KphpS_f32	35.2999992
k_DmpGainOnThresh_KphpS_f32	12.5
k_InrtCmp_MtrInertia_KgmSq_f32	0.00039999999
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	816
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	832
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	848
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	864
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	880
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	896
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	912
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	928
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	944
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	960
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	976
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	992
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1136
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1152
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1168
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1184

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1200
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1216
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1232
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1248
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1264
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1280
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1296
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1312
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	8192
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	9830
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	11469
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	13107
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	1648
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	2480
t_FDD_AttenTbIY_Uls_u8p8[0]	218
t_FDD_AttenTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[0]	218
t_FDD_BlendTbIY_Uls_u8p8[1]	220
t_FDD_BlendTbIY_Uls_u8p8[2]	223
t_FDD_BlendTbIY_Uls_u8p8[3]	225
t_FDD_BlendTbIY_Uls_u8p8[4]	227
t_FDD_BlendTbIY_Uls_u8p8[5]	230
t_FDD_BlendTbIY_Uls_u8p8[6]	232
t_FDD_BlendTbIY_Uls_u8p8[7]	234
t_FDD_BlendTbIY_Uls_u8p8[8]	237
t_FDD_BlendTbIY_Uls_u8p8[9]	239
t_FDD_BlendTbIY_Uls_u8p8[10]	241
t_FDD_BlendTbIY_Uls_u8p8[11]	243

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	179		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	92		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	93		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	95		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	96		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	97		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	99		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	100		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	101		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	102		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	104		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	105		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	106		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	538		
t_WIRBlndTblX_MtrNm_u8p8[1]	563		
t_WIRBlndTblX_MtrNm_u8p8[2]	589		
t_WIRBlndTblX_MtrNm_u8p8[3]	614		
t_WIRBlndTblX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	5.5		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	110.050003		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.0299997		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	325.019989		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	5.30000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	128239.961	128239.961 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	224855.719	224855.719 ± 0.9	✔
Prev1SciDrvVel_RadpS_M_f32	42.4358139	42.4358139 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.29999995 ± 0.00048828125	✔
Prev2SciDrvVel_RadpS_M_f32	18.2000008	18.2000008 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	20	20 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-1.28751016	-1.28751004 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Case 3: Path Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS3.1 5693.00 Cycles TS3.2 5724.00 Cycles TS3.3 6713.00 Cycles
Description	Test Vector Description: TS3.1 "(FDDDefSrvFlg_Cnt_T_lgc = True) =False (FrqDepDmpnInrtCmp_MtrNm_T_f32=>D_MTRTRQCMDHILMT_MTRNM_F32)=True" TS3.2 "(FDDDefSrvFlg_Cnt_T_lgc = True) =True (FrqDepDmpnInrtCmp_MtrNm_T_f32=>D_MTRTRQCMDHILMT_MTRNM_F32)=False (FrqDepDmpnInrtCmp_MtrNm_T_f32<=>D_MTRTRQCMDHILMT_MTRNM_F32)=False" TS3.3 (FrqDepDmpnInrtCmp_MtrNm_T_f32<=>D_MTRTRQCMDHILMT_MTRNM_F32)=True

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
PreDecelGain_Uls_M_f32	125487.234
Prev1PreAttnComp_MtrNm_M_f32	1.10000002
Prev1ScldrvVel_RadpS_M_f32	2205.30005
Prev2PreAttnComp_MtrNm_M_f32	7.30000019
Prev2ScldrvVel_RadpS_M_f32	101.199997
PrevTbarAng_HwDeg_M_f32	-8.31999969
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	3.5
TbarVelFiltSv_M_str.K_Uls_f32	0.125799999
k_CmnSysKinRatio_MtrDegpHwDeg_f32	10.1999998
k_CmnTbarStiff_NmpDeg_f32	1.20000005
k_DmpDecelGainFSlew_UlspS_f32	100.019997
k_DmpDecelGain_Uls_f32	2.5
k_DmpGainOffThresh_KphpS_f32	16.5
k_DmpGainOnThresh_KphpS_f32	30.2000008
k_InrtCmp_MtrInertia_KgmSq_f32	7.9999998e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.899999976
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409

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FrqDepDmpnInrtCmp_Per1

Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	16
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	208
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159

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Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320		
t_FDD_AttenTblY_Uls_u8p8[0]	49		
t_FDD_AttenTblY_Uls_u8p8[1]	51		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	13		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	154		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	1		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	3		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	4		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	5		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	6		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	8		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	9		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	10		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	12		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	13		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	14		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	15		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	8.10000038		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	600.200012		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	-10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	10.0200005		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	100.010002		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	1.20000005		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_f	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrl	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnIn	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwN	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAcc	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBl	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125487.031	125487.031 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	14899619	14899618 ± 99.9	✔
Prev1SciDrvVel_RadpS_M_f32	540.226318	540.226318 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.10000002 ± 0.00048828125	✔
Prev2SciDrvVel_RadpS_M_f32	2205.30005	2205.30005 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	-8.33333302	-8.33333302 ± 0.00390625	✔
TbarVelFiltSv_M str.SV_Uls_f32	2.22103405	2.22103333 ± 0.00390625	✔

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FrqDepDmpInrtCmp_Per1

Name	Actual Value	Expected Value	Result
tgt_FrqDepDmpInrtCmp_Per1_FrqDepDmpInrtCmp_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125589.211
Prev1PreAttnComp_MtrNm_M_f32	-1.10000002
Prev1ScIDrvVel_RadpS_M_f32	-445.299988
Prev2PreAttnComp_MtrNm_M_f32	-6.80000019
Prev2ScIDrvVel_RadpS_M_f32	-220.300003
PrevTbarAng_HwDeg_M_f32	4.33900023
Rte_Inst_Ap_FrqDepDmpInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-2.5
TbarVelFiltSv_M_str.K_Uls_f32	0.236499995
k_CmnSysKinRatio_MtrDegpHwDeg_f32	20.2999992
k_CmnTbarStiff_NmpDeg_f32	2.29999995
k_DmpDecelGainFSlew_UlspS_f32	200.029999
k_DmpDecelGain_Uls_f32	3.5999999
k_DmpGainOffThresh_KphpS_f32	20.2000008
k_DmpGainOnThresh_KphpS_f32	35.2999992
k_InrtCmp_MtrInertia_KgmSq_f32	9.00000014e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.800000012
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	352
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	400
t_FDD_AttenTbIY_Uls_u8p8[0]	65
t_FDD_AttenTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[0]	5
t_FDD_BlendTbIY_Uls_u8p8[1]	8
t_FDD_BlendTbIY_Uls_u8p8[2]	10
t_FDD_BlendTbIY_Uls_u8p8[3]	13
t_FDD_BlendTbIY_Uls_u8p8[4]	15
t_FDD_BlendTbIY_Uls_u8p8[5]	18
t_FDD_BlendTbIY_Uls_u8p8[6]	20
t_FDD_BlendTbIY_Uls_u8p8[7]	23
t_FDD_BlendTbIY_Uls_u8p8[8]	26
t_FDD_BlendTbIY_Uls_u8p8[9]	28

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Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[10]	31		
t_FDD_BlendTblY_Uls_u8p8[11]	33		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	166		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	15		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	17		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	18		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	19		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	20		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	22		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	23		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	24		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	26		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	27		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	28		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	29		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	538		
t_WIRBlndTblX_MtrNm_u8p8[1]	563		
t_WIRBlndTblX_MtrNm_u8p8[2]	589		
t_WIRBlndTblX_MtrNm_u8p8[3]	614		
t_WIRBlndTblX_MtrNm_u8p8[4]	640		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-8.19999981		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-600.299988		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	10		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	20.0300007		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	200.020004		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	2.29999995		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125588.813	125588.813 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-321190.063	-321190.156 ± 0.9	✔
Prev1ScIDrvVel_RadpS_M_f32	-480.309448	-480.309448 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.10000002 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-445.299988	-445.299988 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	4.347826	4.347826 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.865101695	-0.865065217 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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FrqDepDmpnInrtCmp_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
PreDecelGain_Uls_M_f32	125997.109
Prev1PreAttnComp_MtrNm_M_f32	-3.29999995
Prev1ScIDrvVel_RadpS_M_f32	-4021.30005
Prev2PreAttnComp_MtrNm_M_f32	-2.29999995
Prev2ScIDrvVel_RadpS_M_f32	-363.200012
PrevTbarAng_HwDeg_M_f32	0.158999994
Rte_Inst_Ap_FrqDepDmpnInrtCmp	tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp
TbarVelFiltSv_M_str.SV_Uls_f32	-6.5999999
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981
k_CmnSysKinRatio_MtrDegpHwDeg_f32	60.0499992
k_CmnTbarStiff_NmpDeg_f32	6.19999981
k_DmpDecelGainFSlew_UlspS_f32	400.049988
k_DmpDecelGain_Uls_f32	6.5
k_DmpGainOffThresh_KphpS_f32	44.5
k_DmpGainOnThresh_KphpS_f32	20.6000004
k_InrtCmp_MtrInertia_KgmSq_f32	7.9999998e-005
k_InrtCmp_MtrVel_ScaleFactor_Uls_f32	0.400000006
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	96
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	112
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	128
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	144
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	160
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	176
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	192
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	208
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	224
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	240
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	256
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	272
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	336
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	352
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	368
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	384

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Name	Input Value
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	400
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	416
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	432
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	448
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	464
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	480
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	496
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	512
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448
t_DmpFiltKpWIRBIndY_Uls_u2p14[0]	1638
t_DmpFiltKpWIRBIndY_Uls_u2p14[1]	3277
t_DmpFiltKpWIRBIndY_Uls_u2p14[2]	4915
t_DmpFiltKpWIRBIndY_Uls_u2p14[3]	6554
t_DmpFiltKpWIRBIndY_Uls_u2p14[4]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1427
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1655
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1884
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2112
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2340
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	2568
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	2796
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	3024
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	3252
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	3480
t_FDD_AttenTbIX_MtrRadpS_u12p4[0]	656
t_FDD_AttenTbIX_MtrRadpS_u12p4[1]	720
t_FDD_AttenTbIY_Uls_u8p8[0]	172
t_FDD_AttenTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[0]	18
t_FDD_BlendTbIY_Uls_u8p8[1]	20
t_FDD_BlendTbIY_Uls_u8p8[2]	23
t_FDD_BlendTbIY_Uls_u8p8[3]	26
t_FDD_BlendTbIY_Uls_u8p8[4]	28
t_FDD_BlendTbIY_Uls_u8p8[5]	31
t_FDD_BlendTbIY_Uls_u8p8[6]	33
t_FDD_BlendTbIY_Uls_u8p8[7]	36
t_FDD_BlendTbIY_Uls_u8p8[8]	38
t_FDD_BlendTbIY_Uls_u8p8[9]	41
t_FDD_BlendTbIY_Uls_u8p8[10]	44
t_FDD_BlendTbIY_Uls_u8p8[11]	46

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1

Name	Input Value		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[0]	154		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[1]	166		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[2]	179		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[3]	192		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[4]	205		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[5]	218		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[6]	230		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[7]	243		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[8]	256		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[9]	269		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[10]	282		
t_InrtCmp_ScaleFactorTblY_Uls_u9p7[11]	294		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[0]	77		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[1]	78		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[2]	79		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[3]	81		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[4]	82		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[5]	83		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[6]	84		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[7]	86		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[8]	87		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[9]	88		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[10]	90		
t_InrtCmp_TBarVel_ScaleFactorTblY_Uls_u9p7[11]	91		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32.value	-6.30000019		
tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32.value	-1118		
tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0		
tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32.value	1.01999998		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32.value	-20.0100002		
tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32.value	110.07		
tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32.value	6.30000019		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_BaseAssistCmd_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_CRFMotorVel_MtrRadpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_FrqDepDmpnInrtCmp_Per1_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleLonAccel_KphpS_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32	tgt_FrqDepDmpnInrtCmp_Per1_VehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_FrqDepDmpnInrtCmp.FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32	tgt_FrqDepDmpnInrtCmp_Per1_WIRCmdAmpBlnd_MtrNm_f32		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	125996.313	125996.313 ± 0.0625	✔
Prev1PreAttnComp_MtrNm_M_f32	-9984653	-9984653 ± 9.9	✔
Prev1SclDrvVel_RadpS_M_f32	-447.704346	-447.704346 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995	-3.29999995 ± 0.00048828125	✔
Prev2SclDrvVel_RadpS_M_f32	-4021.30005	-4021.30005 ± 0.00390625	✔
PrevTbarAng_HwDeg_M_f32	0.164516136	0.164516136 ± 0.00390625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	-0.684389591	-0.684389591 ± 0.00390625	✔
tgt_FrqDepDmpnInrtCmp_Per1_FrqDepDmpnInrtCmp_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Per1



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP0_CheckpointReached	1	✓
ADDCoefCalc	1	ADDCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓
DecelGain	1	DecelGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
DriverVelCalc	1	DriverVelCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
FilterCoefCalc	1	FilterCoefCalc	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓
GenFddlcCmd	1	GenFddlcCmd	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	Rte_Call_FrqDepDmpnInrtCmp_Per1_CP1_CheckpointReached	1	✓

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FrqDepDmpnInrtCmp_Init

Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	FrqDepDmpnInrtCmp_Init

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

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FrqDepDmpnInrtCmp_Init



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

FrqDepDmpnInrtCmp_Init

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Test Case 1: Boundary Test

Specification Performance Metrics (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS1.1 116.00 Cycles
TS1.2 117.00 Cycles
TS1.3 116.00 Cycles
TS1.4 117.00 Cycles
TS1.5 117.00 Cycles
TS1.6 117.00 Cycles
TS1.7 115.00 Cycles
TS1.8 115.00 Cycles
TS1.9 117.00 Cycles
TS1.10 117.00 Cycles
TS1.11 118.00 Cycles
TS1.12 118.00 Cycles
TS1.13 115.00 Cycles
TS1.14 115.00 Cycles

Description Test Vector Description:

TS1.1All min
TS1.2All max
TS1.3k_InrtCmp_TBarVelLPFKn_Hz_f32 = min
TS1.4k_InrtCmp_TBarVelLPFKn_Hz_f32 = max
TS1.5k_InrtCmp_TBarVelLPFKn_Hz_f32 = mid
TS1.6k_InrtCmp_TBarVelLPFKn_Hz_f32 = default
TS1.7TbarVelFiltSv_M_str.K = min
TS1.8TbarVelFiltSv_M_str.K = max
TS1.9TbarVelFiltSv_M_str.K = mid
TS1.10TbarVelFiltSv_M_str.SV = min
TS1.11TbarVelFiltSv_M_str.SV = max
TS1.12TbarVelFiltSv_M_str.SV = zero
TS1.13TbarVelFiltSv_M_str.SV = pos
TS1.14TbarVelFiltSv_M_str.SV = neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798
k_InrtCmp_TBarVelLPFKn_Hz_f32	0.100000001

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.000125655810790826	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444
k_InrtCmp_TBarVelLPFKn_Hz_f32	100

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444	0.715390444 ± 0.000125655810790826	✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	1.25460005
TbarVelFiltSv_M_str.K_Uls_f32	0.374119997
k_InrtCmp_TBarVelLPFKn_Hz_f32	0.100000001

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.000125655810790826	✓

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Test Step 1.4 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	-5.68739986			
TbarVelFiltSv_M_str.K_Uls_f32	0.269800007			
k_InrtCmp_TBarVelLPFKn_Hz_f32	100			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444	0.715390444 ± 0.000125655810790826		✓

Test Step 1.5 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	4.5632			
TbarVelFiltSv_M_str.K_Uls_f32	0.145229995			
k_InrtCmp_TBarVelLPFKn_Hz_f32	50.2299995			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.468051612	0.468051612 ± 0.000125655810790826		✓

Test Step 1.6 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	4.5632			
TbarVelFiltSv_M_str.K_Uls_f32	0.145229995			
k_InrtCmp_TBarVelLPFKn_Hz_f32	20			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.222232342	0.222232327 ± 0.000125655810790826		✓

Test Step 1.7 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	2.55769992			
TbarVelFiltSv_M_str.K_Uls_f32	0.00125584798			
k_InrtCmp_TBarVelLPFKn_Hz_f32	25.2000008			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.271430731	0.271430701 ± 0.000125655810790826		✓

Test Step 1.8 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	3.99850011			
TbarVelFiltSv_M_str.K_Uls_f32	0.715390444			
k_InrtCmp_TBarVelLPFKn_Hz_f32	26			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.278718412	0.278718382 ± 0.000125655810790826		✓

Test Step 1.9 (Repeat Count = 1)				✓
Name	Input Value			
TbarVelFiltSv_M_str.SV_Uls_f32	-4.12300014			
TbarVelFiltSv_M_str.K_Uls_f32	0.587459981			
k_InrtCmp_TBarVelLPFKn_Hz_f32	35.25			
Name	Actual Value	Expected Value	Result	
PreDecelGain_Uls_M_f32	1	1 ± 0.0625		✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625		✓
TbarVelFiltSv_M_str.K_Uls_f32	0.357870042	0.357870042 ± 0.000125655810790826		✓

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Test Step 1.10 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	-6.66669989		
TbarVelFiltSv_M_str.K_Uls_f32	0.532140017		
k_InrtCmp_TBarVelLPFKn_Hz_f32	84		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.652007818	0.652007759 ± 0.000125655810790826	✓

Test Step 1.11 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	6.66669989		
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001		
k_InrtCmp_TBarVelLPFKn_Hz_f32	95.0100021		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.696972251	0.696972251 ± 0.000125655810790826	✓

Test Step 1.12 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	0
TbarVelFiltSv_M_str.K_Uls_f32	0.0258959997
k_InrtCmp_TBarVelLPFKn_Hz_f32	41.2000008

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M_str.K_Uls_f32	0.404131055	0.404131025 ± 0.000125655810790826	✓

Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
TbarVelFiltSv_M_str.SV_Uls_f32	5.69869995		
TbarVelFiltSv_M_str.K_Uls_f32	0.632139981		
k_InrtCmp_TBarVelLPFKn_Hz_f32	56.3499985		
Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✔
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✔
TbarVelFiltSv_M_str.K_Uls_f32	0.507428169	0.507428169 ± 0.000125655810790826	✔

Test Step 1.14 (Repeat Count = 1)

Name	Input Value
TbarVelFiltSv_M_str.SV_Uls_f32	-5.14230013
TbarVelFiltSv_M_str.K_Uls_f32	0.0147850001
k_InrtCmp_TBarVelLPFKn_Hz_f32	63.25

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓
TbarVelFiltSv_M_str.SV_Uls_f32	0	0 ± 0.00390625	✓
TbarVelFiltSv_M str.K Uls f32	0.54833883	0.54833883 ± 0.000125655810790826	✓

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GenFddlcCmd



Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	GenFddlcCmd

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	2
Successful	2 ✓
Failed	0
Not Executed	0

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Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as ""0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment)
	CPU Cycles: TS1.1 360.00 Cycles TS1.2 360.00 Cycles
Description	Test Vector Description: TS1.1 "Shortest Execution Path: (ScaledDriverVel_MtrRadpS_T_f32>=D_ATTENTBLMAXINPUT_MTRRADPS_F32)=True" TS1.2 "Longest Execution Path: (ScaledDriverVel_MtrRadpS_T_f32>=D_ATTENTBLMAXINPUT_MTRRADPS_F32)=False (ScaledDriverVel_MtrRadpS_T_f32<=D_ATTENTBLMININPUT_MTRRADPS_F32)=False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	1.10000002			
Prev1ScIDrvVel_RadpS_M_f32	22.2000008			
Prev2PreAttnComp_MtrNm_M_f32	7.30000019			
Prev2ScIDrvVel_RadpS_M_f32	10			
ScaledDriverVel_MtrRadpS_T_f32	-7226.65186			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320			
t_FDD_AttenTblY_Uls_u8p8[0]	49			
t_FDD_AttenTblY_Uls_u8p8[1]	51			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0245340001			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.124563999			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	4.56000016e-005			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.04530001			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.32420015			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.54522991			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.330669165	-0.330669165 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-1.6598295	-1.6598295 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-7226.65186	-7226.65186 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.10000002 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	22.2000008	22.2000008 ± 0.00390625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-2.20000005			
Prev1ScIDrvVel_RadpS_M_f32	-16.6599998			
Prev2PreAttnComp_MtrNm_M_f32	-5.19999981			
Prev2ScIDrvVel_RadpS_M_f32	-3			
ScaledDriverVel_MtrRadpS_T_f32	10.1999998			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	512			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	560			
t_FDD_AttenTblY_Uls_u8p8[0]	116			
t_FDD_AttenTblY_Uls_u8p8[1]	118			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0234500002			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.154569998			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.319999993			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.76664495			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.97889996			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.32420015			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.334564269	-0.334564179 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-0.738348722	-0.738348544 ± 0.0000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	10.1999998	10.1999998 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.20000005 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-16.6599998	-16.6599998 ± 0.00390625	✓	

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Case 2: Boundary Test



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Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment)
	CPU Cycles:
TS2.1	360.00 Cycles
TS2.2	360.00 Cycles
TS2.3	360.00 Cycles
TS2.4	360.00 Cycles
TS2.5	360.00 Cycles
TS2.6	360.00 Cycles
TS2.7	360.00 Cycles
TS2.8	372.00 Cycles
TS2.9	360.00 Cycles
TS2.10	360.00 Cycles
TS2.11	360.00 Cycles
TS2.12	372.00 Cycles
TS2.13	372.00 Cycles
TS2.14	372.00 Cycles
TS2.15	360.00 Cycles
TS2.16	360.00 Cycles
TS2.17	360.00 Cycles
TS2.18	360.00 Cycles
TS2.19	360.00 Cycles
TS2.20	372.00 Cycles
TS2.21	372.00 Cycles
TS2.22	372.00 Cycles
TS2.23	372.00 Cycles
TS2.24	360.00 Cycles
TS2.25	360.00 Cycles
TS2.26	360.00 Cycles
TS2.27	428.00 Cycles
TS2.28	360.00 Cycles
TS2.29	360.00 Cycles
TS2.30	360.00 Cycles
TS2.31	360.00 Cycles
TS2.32	360.00 Cycles
TS2.33	360.00 Cycles
TS2.34	360.00 Cycles
TS2.35	372.00 Cycles
TS2.36	360.00 Cycles
TS2.37	360.00 Cycles
TS2.38	360.00 Cycles
TS2.39	360.00 Cycles
TS2.40	372.00 Cycles
TS2.41	372.00 Cycles
TS2.42	360.00 Cycles
TS2.43	372.00 Cycles
TS2.44	360.00 Cycles
TS2.45	360.00 Cycles
TS2.46	372.00 Cycles
TS2.47	360.00 Cycles
TS2.48	360.00 Cycles
TS2.49	360.00 Cycles
TS2.50	360.00 Cycles
TS2.51	360.00 Cycles

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Description Test Vector Description

TS2.1 All min
 TS2.2 All max
 TS2.3 ScaledDriverVel_MtrRadpS_T_f32 = min
 TS2.4 ScaledDriverVel_MtrRadpS_T_f32 = max
 TS2.5 ScaledDriverVel_MtrRadpS_T_f32 = zero
 TS2.6 ScaledDriverVel_MtrRadpS_T_f32 = pos
 TS2.7 ScaledDriverVel_MtrRadpS_T_f32 = neg
 TS2.8 filtCoef_Uls_T_Str.b0_Uls_f32 = min
 TS2.9 filtCoef_Uls_T_Str.b0_Uls_f32 = max
 TS2.10 filtCoef_Uls_T_Str.b0_Uls_f32 = mid
 TS2.11 filtCoef_Uls_T_Str.b1_Uls_f32 = min
 TS2.12 filtCoef_Uls_T_Str.b1_Uls_f32 = max
 TS2.13 filtCoef_Uls_T_Str.b1_Uls_f32 = mid
 TS2.14 filtCoef_Uls_T_Str.b2_Uls_f32 = min
 TS2.15 filtCoef_Uls_T_Str.b2_Uls_f32 = max
 TS2.16 filtCoef_Uls_T_Str.b2_Uls_f32 = mid
 TS2.17 filtCoef_Uls_T_Str.a0_Uls_f32 = min
 TS2.18 filtCoef_Uls_T_Str.a0_Uls_f32 = max
 TS2.19 filtCoef_Uls_T_Str.a0_Uls_f32 = mid
 TS2.20 filtCoef_Uls_T_Str.a1_Uls_f32 = min
 TS2.21 filtCoef_Uls_T_Str.a1_Uls_f32 = max
 TS2.22 filtCoef_Uls_T_Str.a1_Uls_f32 = mid
 TS2.23 filtCoef_Uls_T_Str.a2_Uls_f32 = min
 TS2.24 filtCoef_Uls_T_Str.a2_Uls_f32 = max
 TS2.25 filtCoef_Uls_T_Str.a2_Uls_f32 = mid
 TS2.26 Prev2ScldrvVel_RadpS_M_f32 = min
 TS2.27 Prev2ScldrvVel_RadpS_M_f32 = max
 TS2.28 Prev2ScldrvVel_RadpS_M_f32 = zero
 TS2.29 Prev2ScldrvVel_RadpS_M_f32 = neg
 TS2.30 Prev2ScldrvVel_RadpS_M_f32 = pos
 TS2.31 Prev1ScldrvVel_RadpS_M_f32 = min
 TS2.32 Prev1ScldrvVel_RadpS_M_f32 = max
 TS2.33 Prev1ScldrvVel_RadpS_M_f32 = zero
 TS2.34 Prev1ScldrvVel_RadpS_M_f32 = neg
 TS2.35 Prev1ScldrvVel_RadpS_M_f32 = pos
 TS2.36 Prev1PreAttnComp_MtrNm_M_f32 = min
 TS2.37 Prev1PreAttnComp_MtrNm_M_f32 = max
 TS2.38 Prev1PreAttnComp_MtrNm_M_f32 = zero
 TS2.39 Prev1PreAttnComp_MtrNm_M_f32 = neg
 TS2.40 Prev1PreAttnComp_MtrNm_M_f32 = pos
 TS2.41 Prev2PreAttnComp_MtrNm_M_f32 = min
 TS2.42 Prev2PreAttnComp_MtrNm_M_f32 = max
 TS2.43 Prev2PreAttnComp_MtrNm_M_f32 = zero
 TS2.44 Prev2PreAttnComp_MtrNm_M_f32 = neg
 TS2.45 Prev2PreAttnComp_MtrNm_M_f32 = pos
 TS2.46 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = min
 TS2.47 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = max
 TS2.48 t_FDD_AttenTblX_MtrRadpS_u12p4[2] = mid
 TS2.49 t_FDD_AttenTblY_Uls_u8p8[2] = min
 TS2.50 t_FDD_AttenTblY_Uls_u8p8[2] = max
 TS2.51 t_FDD_AttenTblY_Uls_u8p8[2] = mid

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-8.80000019		
Prev1ScIDrvVel_RadpS_M_f32	-12917.2998		
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019		
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998		
ScaledDriverVel_MtrRadpS_T_f32	-7226.65186		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	0		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	0		
t_FDD_AttenTblY_Uls_u8p8[0]	0		
t_FDD_AttenTblY_Uls_u8p8[1]	0		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-2.74156213		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.16008386		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.552588522		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99968433		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.05042362		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0	0 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	9012.61621	9012.61719 ± 0.009	✔
Prev1ScIDrvVel_RadpS_M_f32	-7226.65186	-7226.65186 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.2998 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	8.80000019		
Prev1ScIDrvVel_RadpS_M_f32	12917.2998		
Prev2PreAttnComp_MtrNm_M_f32	8.80000019		
Prev2ScIDrvVel_RadpS_M_f32	12917.2998		
ScaledDriverVel_MtrRadpS_T_f32	7226.65186		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	17600		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	17600		
t_FDD_AttenTblY_Uls_u8p8[0]	256		
t_FDD_AttenTblY_Uls_u8p8[1]	256		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448002		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.41111398		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.94989228		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.84172678		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056852		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	2046.13135	2046.13159 ± 0.009	✓
Prev1PreAttnComp_MtrNm_M_f32	2046.13135	2046.13159 ± 0.009	✓
Prev1ScIDrvVel_RadpS_M_f32	7226.65186	7226.65186 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.80000019 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	12917.2998	12917.2998 ± 0.00390625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.10000002		
Prev1ScIDrvVel_RadpS_M_f32	22.2000008		
Prev2PreAttnComp_MtrNm_M_f32	7.30000019		
Prev2ScIDrvVel_RadpS_M_f32	10		
ScaledDriverVel_MtrRadpS_T_f32	-7226.65186		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	320		
t_FDD_AttenTblY_Uls_u8p8[0]	49		
t_FDD_AttenTblY_Uls_u8p8[1]	51		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0245340001		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.124563999		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	4.56000016e-005		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.04530001		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.32420015		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.54522991		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.330669165	-0.330669165 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-1.6598295	-1.6598295 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-7226.65186	-7226.65186 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	1.10000002	1.10000002 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	22.2000008	22.2000008 ± 0.00390625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-1.10000002		
Prev1ScIDrvVel_RadpS_M_f32	-4.21000004		
Prev2PreAttnComp_MtrNm_M_f32	-6.80000019		
Prev2ScIDrvVel_RadpS_M_f32	-2		
ScaledDriverVel_MtrRadpS_T_f32	7226.65186		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	352		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	400		
t_FDD_AttenTblY_Uls_u8p8[0]	65		
t_FDD_AttenTblY_Uls_u8p8[1]	68		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0331999995		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.134560004		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000534499995		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.45674992		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.45654011		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.75764513		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.509668887	0.509668827 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	1.91875339	1.91875339 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	7226.65186	7226.65186 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002	-1.10000002 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-4.21000004	-4.21000004 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.5 (Repeat Count = 1)				
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		6.5999999		
Prev1ScIDrvVel_RadpS_M_f32		26.1000004		
Prev2PreAttnComp_MtrNm_M_f32		8.30000019		
Prev2ScIDrvVel_RadpS_M_f32		17.0300007		
ScaledDriverVel_MtrRadpS_T_f32		0		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1088		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		1120		
t_FDD_AttenTblY_Uls_u8p8[0]		129		
t_FDD_AttenTblY_Uls_u8p8[1]		131		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00636299979		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.257400006		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.00144999998		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.55765009		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.78980017		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		9.85340023		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		0.782138526	0.782138526 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32		1.55215085	1.55215085 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		0	0 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		6.5999999	6.5999999 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		26.1000004	26.1000004 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.6 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-2.20000005			
Prev1ScIDrvVel_RadpS_M_f32	-16.6599998			
Prev2PreAttnComp_MtrNm_M_f32	-5.19999981			
Prev2ScIDrvVel_RadpS_M_f32	-3			
ScaledDriverVel_MtrRadpS_T_f32	10.1999998			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	512			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	560			
t_FDD_AttenTblY_Uls_u8p8[0]	116			
t_FDD_AttenTblY_Uls_u8p8[1]	118			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0234500002			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.154569998			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.10000002			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.76664495			

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Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.97889996		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.32420015		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.157648206	0.157648295 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	0.347913265	0.347913474 ± 0.0000009	✔
Prev1ScIDrvVel_RadpS_M_f32	10.1999998	10.1999998 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005	-2.20000005 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-16.6599998	-16.6599998 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.7 (Repeat Count = 1)				
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		3.29999995		
Prev1ScIDrvVel_RadpS_M_f32		26.4500008		
Prev2PreAttnComp_MtrNm_M_f32		5.19999981		
Prev2ScIDrvVel_RadpS_M_f32		17.1200008		
ScaledDriverVel_MtrRadpS_T_f32		-10.3000002		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		512		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		560		
t_FDD_AttenTblY_Uls_u8p8[0]		144		
t_FDD_AttenTblY_Uls_u8p8[1]		146		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0312300008		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.168779999		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		2.20000005		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.27867007		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.24234009		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.67452002		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		-1.8318522	-1.83185208 ± 0.000009	
Prev1PreAttnComp_MtrNm_M_f32		-3.25662613	-3.25662589 ± 0.000009	
Prev1ScIDrvVel_RadpS_M_f32		-10.3000002	-10.3000002 ± 0.00390625	
Prev2PreAttnComp_MtrNm_M_f32		3.29999995	3.29999995 ± 0.00048828125	
Prev2ScIDrvVel_RadpS_M_f32		26.4500008	26.4500008 ± 0.00390625	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.8 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		-3.29999995		
Prev1ScIDrvVel_RadpS_M_f32		-4.21000004		
Prev2PreAttnComp_MtrNm_M_f32		-2.29999995		
Prev2ScIDrvVel_RadpS_M_f32		-33.3199997		
ScaledDriverVel_MtrRadpS_T_f32		2562.6001		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		656		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		720		
t_FDD_AttenTblY_Uls_u8p8[0]		172		
t_FDD_AttenTblY_Uls_u8p8[1]		174		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-2.74156213		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.175633997		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		1.79999995		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.1675601		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97889996		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.77452993		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		470.300568	470.300568 ± 0.0009	✓
Prev1PreAttnComp_MtrNm_M_f32		691.936462	691.936462 ± 0.0009	✓
Prev1ScIDrvVel_RadpS_M_f32		2562.6001	2562.6001 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		-3.29999995	-3.29999995 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		-4.21000004	-4.21000004 ± 0.00390625	✓

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GenFddlcCmd



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.9 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	4.4000001			
Prev1ScIDrvVel_RadpS_M_f32	1234.56006			
Prev2PreAttnComp_MtrNm_M_f32	2.29999995			
Prev2ScIDrvVel_RadpS_M_f32	4678.14014			
ScaledDriverVel_MtrRadpS_T_f32	-2.79999995			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	768			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	800			
t_FDD_AttenTblY_Uls_u8p8[0]	218			
t_FDD_AttenTblY_Uls_u8p8[1]	220			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.184533998			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.89999998			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.92453003			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53499985			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.45234489			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	21.4257507	21.4257526 ± 0.00009	✓	
Prev1PreAttnComp_MtrNm_M_f32	25.1605148	25.1605167 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-2.79999995	-2.79999995 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	4.4000001	4.4000001 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	1234.56006	1234.56006 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.10 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-4.4000001			
Prev1ScIDrvVel_RadpS_M_f32	-27.5499992			
Prev2PreAttnComp_MtrNm_M_f32	-1.70000005			
Prev2ScIDrvVel_RadpS_M_f32	-15			
ScaledDriverVel_MtrRadpS_T_f32	3.5			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	784			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	880			
t_FDD_AttenTblY_Uls_u8p8[0]	63			
t_FDD_AttenTblY_Uls_u8p8[1]	66			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00346700009			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.194564506			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.899999976			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.82342291			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.78986979			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.63450003			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.823069274	-0.823069274 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-3.34453535	-3.34453535 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	3.5	3.5 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-4.4000001	-4.4000001 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-27.5499992	-27.5499992 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	5.5		
Prev1ScIDrvVel_RadpS_M_f32	6789.56494		
Prev2PreAttnComp_MtrNm_M_f32	1.70000005		
Prev2ScIDrvVel_RadpS_M_f32	5322.14014		
ScaledDriverVel_MtrRadpS_T_f32	-3.9000001		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	944		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	960		
t_FDD_AttenTblY_Uls_u8p8[0]	78		
t_FDD_AttenTblY_Uls_u8p8[1]	80		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00435299985		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00164559996		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.72340012		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.6456399		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.3656702		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.0503453612	0.0503453724 ± 0.00000009	✓
Prev1PreAttnComp_MtrNm_M_f32	0.165236056	0.165236101 ± 0.00000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-3.9000001	-3.9000001 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	5.5	5.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	6789.56494	6789.56494 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-5.5		
Prev1ScIDrvVel_RadpS_M_f32	-37.1500015		
Prev2PreAttnComp_MtrNm_M_f32	-8.30000019		
Prev2ScIDrvVel_RadpS_M_f32	-42.0200005		
ScaledDriverVel_MtrRadpS_T_f32	1444.09998		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1008		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1040		
t_FDD_AttenTblY_Uls_u8p8[0]	106		
t_FDD_AttenTblY_Uls_u8p8[1]	109		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0054560001		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448002		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00176699995		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.65673995		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.42339993		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.94645023		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.619547307	-0.619547248 ± 0.00000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-1.45508361	-1.45508349 ± 0.00000009	✓
Prev1ScIDrvVel_RadpS_M_f32	1444.09998	1444.09998 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-5.5	-5.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-37.1500015	-37.1500015 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	6.5999999		
Prev1ScIDrvVel_RadpS_M_f32	26.1000004		
Prev2PreAttnComp_MtrNm_M_f32	8.30000019		
Prev2ScIDrvVel_RadpS_M_f32	17.0300007		
ScaledDriverVel_MtrRadpS_T_f32	-2234.69995		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		

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Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1088		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1120		
t_FDD_AttenTblY_Uls_u8p8[0]	129		
t_FDD_AttenTblY_Uls_u8p8[1]	131		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00636299979		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.257400006		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00144999998		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.55765009		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.78980017		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.85340023		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.625984669	0.625984728 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32	1.22329831	1.22329831 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-2234.69995	-2234.69995 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	6.5999999	6.5999999 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	26.1000004	26.1000004 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.14 (Repeat Count = 1)					
Name		Input Value			
Prev1PreAttnComp_MtrNm_M_f32		-6.5999999			
Prev1ScIDrvVel_RadpS_M_f32		-33.0999985			
Prev2PreAttnComp_MtrNm_M_f32		-7.5			
Prev2ScIDrvVel_RadpS_M_f32		-22.0400009			
ScaledDriverVel_MtrRadpS_T_f32		1555.59998			
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1152			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		1200			
t_FDD_AttenTblY_Uls_u8p8[0]		157			
t_FDD_AttenTblY_Uls_u8p8[1]		161			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00745745003			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.245399997			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.16008386			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.44564009			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.53524017			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		9.25399971			
Name		Actual Value	Expected Value	Result	
GenFddlcCmd()		-18.191328	-18.191328 ± 0.00009		
Prev1PreAttnComp_MtrNm_M_f32		-28.9253426	-28.9253426 ± 0.00009		
Prev1ScIDrvVel_RadpS_M_f32		1555.59998	1555.59998 ± 0.00390625		
Prev2PreAttnComp_MtrNm_M_f32		-6.5999999	-6.5999999 ± 0.00048828125		
Prev2ScIDrvVel_RadpS_M_f32		-33.0999985	-33.0999985 ± 0.00390625		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.15 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	7.69999981			
Prev1ScIDrvVel_RadpS_M_f32	18			
Prev2PreAttnComp_MtrNm_M_f32	7.5			
Prev2ScIDrvVel_RadpS_M_f32	28.0100002			
ScaledDriverVel_MtrRadpS_T_f32	-5.80000019			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1232			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1280			
t_FDD_AttenTblY_Uls_u8p8[0]	183			
t_FDD_AttenTblY_Uls_u8p8[1]	185			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00863999967			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.315450013			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.41111398			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.34540009			

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Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.63530016		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	9.63432026		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	1.29496682	1.29496706 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	1.81153834	1.81153858 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-5.80000019	-5.80000019 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	7.69999981	7.69999981 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	18	18 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.16 (Repeat Count = 1)				
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		-7.69999981		
Prev1ScIDrvVel_RadpS_M_f32		-28.0200005		
Prev2PreAttnComp_MtrNm_M_f32		-6.5		
Prev2ScIDrvVel_RadpS_M_f32		-27		
ScaledDriverVel_MtrRadpS_T_f32		6.19999981		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1296		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		1360		
t_FDD_AttenTblY_Uls_u8p8[0]		230		
t_FDD_AttenTblY_Uls_u8p8[1]		232		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00958499964		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.325540006		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.149599999		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.23453498		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.63445282		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		9.35435009		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		-3.82750082	-3.82750082 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32		-4.26017475	-4.26017475 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		6.19999981	6.19999981 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		-7.69999981	-7.69999981 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		-28.0200005	-28.0200005 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.17 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		1.5		
Prev1ScIDrvVel_RadpS_M_f32		24.0599995		
Prev2PreAttnComp_MtrNm_M_f32		6.5		
Prev2ScIDrvVel_RadpS_M_f32		32.5600014		
ScaledDriverVel_MtrRadpS_T_f32		-6.30000019		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1344		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		1440		
t_FDD_AttenTblY_Uls_u8p8[0]		71		
t_FDD_AttenTblY_Uls_u8p8[1]		74		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00365000009		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.267450005		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		6.45600012e-005		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		0.552588522		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.45639992		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.13453388		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		0.371916622	0.371916652 ± 0.0000009	✓
Prev1PreAttnComp_MtrNm_M_f32		1.34099519	1.34099519 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		-6.30000019	-6.30000019 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		1.5	1.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		24.0599995	24.0599995 ± 0.00390625	✓

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.18 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-1.5			
Prev1ScIDrvVel_RadpS_M_f32	-16.0499992			
Prev2PreAttnComp_MtrNm_M_f32	-4.5			
Prev2ScIDrvVel_RadpS_M_f32	-25.25			
ScaledDriverVel_MtrRadpS_T_f32	7.4000001			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1520			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1568			
t_FDD_AttenTblY_Uls_u8p8[0]	86			
t_FDD_AttenTblY_Uls_u8p8[1]	88			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0142299999			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.273440003			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00145340001			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.94989228			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.45349979			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.34564018			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	0.164055958	0.164056018 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	0.488352627	0.488352776 ± 0.0000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	7.4000001	7.4000001 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-16.0499992	-16.0499992 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.19 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	2.5			
Prev1ScIDrvVel_RadpS_M_f32	100.040001			
Prev2PreAttnComp_MtrNm_M_f32	4.5			
Prev2ScIDrvVel_RadpS_M_f32	97			
ScaledDriverVel_MtrRadpS_T_f32	-7.5			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1552			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1600			
t_FDD_AttenTblY_Uls_u8p8[0]	114			
t_FDD_AttenTblY_Uls_u8p8[1]	116			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0234200004			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.285459995			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00074500027			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.45372295			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53450012			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.94534016			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	1.44737673	1.44737673 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	3.25024962	3.25024962 ± 0.0000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-7.5	-7.5 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	100.040001	100.040001 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 2.20 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-2.5			
Prev1ScIDrvVel_RadpS_M_f32	-69.4000015			
Prev2PreAttnComp_MtrNm_M_f32	-3.5			
Prev2ScIDrvVel_RadpS_M_f32	-59.6500015			
ScaledDriverVel_MtrRadpS_T_f32	1500.02002			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1616			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1680			
t_FDD_AttenTblY_Uls_u8p8[0]	136			
t_FDD_AttenTblY_Uls_u8p8[1]	139			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0345200002			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.295599997			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000534529972			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.634500027			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99968433			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.84563017			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-2.45213747	-2.45213771 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-4.51616669	-4.51616716 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	1500.02002	1500.02002 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-69.4000015	-69.4000015 ± 0.00390625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.21 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-3.5			
Prev1ScIDrvVel_RadpS_M_f32	-49.6500015			
Prev2PreAttnComp_MtrNm_M_f32	-2.4000001			
Prev2ScIDrvVel_RadpS_M_f32	-36.5			
ScaledDriverVel_MtrRadpS_T_f32	2500.06006			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1728			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1760			
t_FDD_AttenTblY_Uls_u8p8[0]	63			
t_FDD_AttenTblY_Uls_u8p8[1]	66			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0434530005			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.294499993			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00135000004			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.734529972			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.84172678			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.23250008			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-0.778024733	-0.778024733 ± 0.0000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-3.01779294	-3.01779294 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	2500.06006	2500.06006 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-3.5	-3.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-49.6500015	-49.6500015 ± 0.00390625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.22 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	4.5			
Prev1ScIDrvVel_RadpS_M_f32	22.5400009			
Prev2PreAttnComp_MtrNm_M_f32	2.4000001			
Prev2ScIDrvVel_RadpS_M_f32	11			
ScaledDriverVel_MtrRadpS_T_f32	-2500.08008			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd



Name	Input Value			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1776			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1840			
t_FDD_AttenTblY_Uls_u8p8[0]	189			
t_FDD_AttenTblY_Uls_u8p8[1]	191			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0534199998			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.303600013			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000423399993			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.845555007			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.5474			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.34200001			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	2.5159831	2.5159831 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	3.37220788	3.37220788 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-2500.08008	-2500.08008 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	22.5400009	22.5400009 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.23 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-4.5			
Prev1ScIDrvVel_RadpS_M_f32	-48.5400009			
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002			
Prev2ScIDrvVel_RadpS_M_f32	-38.5400009			
ScaledDriverVel_MtrRadpS_T_f32	3500.06006			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	160			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	1920			
t_FDD_AttenTblY_Uls_u8p8[0]	237			
t_FDD_AttenTblY_Uls_u8p8[1]	239			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0112300003			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.305640012			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000234530002			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.954639971			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.34534502			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.05042362			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-9.47003937	-9.47003937 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-10.1436405	-10.1436405 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	3500.06006	3500.06006 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-4.5	-4.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-48.5400009	-48.5400009 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.24 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	6.5			
Prev1ScIDrvVel_RadpS_M_f32	163.649994			
Prev2PreAttnComp_MtrNm_M_f32	1.10000002			
Prev2ScIDrvVel_RadpS_M_f32	175			
ScaledDriverVel_MtrRadpS_T_f32	-3.01999998			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	176			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2000			
t_FDD_AttenTblY_Uls_u8p8[0]	49			
t_FDD_AttenTblY_Uls_u8p8[1]	51			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0212299991			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.315640002			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.0999999			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.05677998			

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53454018		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056852		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	1.37899768	1.37899768 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	7.20455933	7.20455933 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	-3.01999998	-3.01999998 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	6.5	6.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	163.649994	163.649994 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.25 (Repeat Count = 1)					
Name		Input Value			
Prev1PreAttnComp_MtrNm_M_f32		-6.5			
Prev1ScIDrvVel_RadpS_M_f32		-90.3600006			
Prev2PreAttnComp_MtrNm_M_f32		-8.10000038			
Prev2ScIDrvVel_RadpS_M_f32		-120.230003			
ScaledDriverVel_MtrRadpS_T_f32		4.0999999			
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		192			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		2080			
t_FDD_AttenTblY_Uls_u8p8[0]		65			
t_FDD_AttenTblY_Uls_u8p8[1]		68			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0323400013			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.324499995			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		1.29999995			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.13450003			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.84564018			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.64584017			
Name		Actual Value	Expected Value	Result	
GenFddlcCmd()		-2.11698532	-2.11698532 ± 0.000009		
Prev1PreAttnComp_MtrNm_M_f32		-8.33766556	-8.33766556 ± 0.000009		
Prev1ScIDrvVel_RadpS_M_f32		4.0999999	4.0999999 ± 0.00390625		
Prev2PreAttnComp_MtrNm_M_f32		-6.5	-6.5 ± 0.00048828125		
Prev2ScIDrvVel_RadpS_M_f32		-90.3600006	-90.3600006 ± 0.00390625		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.26 (Repeat Count = 1)					✓
Name		Input Value			
Prev1PreAttnComp_MtrNm_M_f32		2.5			
Prev1ScIDrvVel_RadpS_M_f32		100.040001			
Prev2PreAttnComp_MtrNm_M_f32		4.5			
Prev2ScIDrvVel_RadpS_M_f32		-12917.2998			
ScaledDriverVel_MtrRadpS_T_f32		-7.5			
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1552			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		1600			
t_FDD_AttenTblY_Uls_u8p8[0]		114			
t_FDD_AttenTblY_Uls_u8p8[1]		116			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0234200004			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.285459995			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.000745000027			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.45372295			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.53450012			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.94534016			
Name		Actual Value	Expected Value	Result	
GenFddlcCmd()		16.6205254	16.6205254 ± 0.00009	✓	
Prev1PreAttnComp_MtrNm_M_f32		37.3232841	37.323288 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32		-7.5	-7.5 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32		2.5	2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32		100.040001	100.040001 ± 0.00390625	✓	

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GenFddlcCmd



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-7.5		
Prev1ScDrvVel_RadpS_M_f32	250.449997		
Prev2PreAttnComp_MtrNm_M_f32	-7.69999981		
Prev2ScDrvVel_RadpS_M_f32	12917.2998		
ScaledDriverVel_MtrRadpS_T_f32	-39.0699997		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	224		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2240		
t_FDD_AttenTblY_Uls_u8p8[0]	116		
t_FDD_AttenTblY_Uls_u8p8[1]	118		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00553400023		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.258560002		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.64999998		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.3678		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.73400021		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.24564505		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-11.8644609	-11.86446 ± 0.00009	✔
Prev1PreAttnComp_MtrNm_M_f32	-26.1836376	-26.1836376 ± 0.00009	✔
Prev1ScDrvVel_RadpS_M_f32	-39.0699997	-39.0699997 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-7.5	-7.5 ± 0.00048828125	✔
Prev2ScDrvVel_RadpS_M_f32	250.449997	250.449997 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	8.5		
Prev1ScIDrvVel_RadpS_M_f32	5000.6499		
Prev2PreAttnComp_MtrNm_M_f32	7.69999981		
Prev2ScIDrvVel_RadpS_M_f32	0		
ScaledDriverVel_MtrRadpS_T_f32	6075.08984		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2320		
t_FDD_AttenTblY_Uls_u8p8[0]	144		
t_FDD_AttenTblY_Uls_u8p8[1]	146		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00633999985		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.259346008		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.349999994		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.47860003		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.84764004		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.36499977		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	452.265015	452.264984 ± 0.0009	✔
Prev1PreAttnComp_MtrNm_M_f32	793.012634	793.012573 ± 0.0009	✔
Prev1ScIDrvVel_RadpS_M_f32	6075.08984	6075.08984 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	8.5	8.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	5000.6499	5000.6499 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 2.29 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-8.5		
Prev1ScIDrvVel_RadpS_M_f32	-26.6499996		
Prev2PreAttnComp_MtrNm_M_f32	-6.5999999		
Prev2ScIDrvVel_RadpS_M_f32	-10.1199999		
ScaledDriverVel_MtrRadpS_T_f32	6.01999998		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	256		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2400		
t_FDD_AttenTblY_Uls_u8p8[0]	172		
t_FDD_AttenTblY_Uls_u8p8[1]	174		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00633999985		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.268566996		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.239999995		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.57679999		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.00045586		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.47660017		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-5.66504765	-5.66504812 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.4316988	-8.43169975 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	6.01999998	6.01999998 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-8.5	-8.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-26.6499996	-26.6499996 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.30 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.29999995		
Prev1ScIDrvVel_RadpS_M_f32	18.6000004		
Prev2PreAttnComp_MtrNm_M_f32	6.5999999		
Prev2ScIDrvVel_RadpS_M_f32	10.25		
ScaledDriverVel_MtrRadpS_T_f32	-6.05999994		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	272		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2480		
t_FDD_AttenTblY_Uls_u8p8[0]	218		
t_FDD_AttenTblY_Uls_u8p8[1]	220		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00744999992		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.274430007		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.388999999		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.65674996		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.96456003		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.57685995		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-0.33675155	-0.336751729 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-0.395451367	-0.395451576 ± 0.0000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-6.05999994	-6.05999994 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.29999995 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	18.6000004	18.6000004 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.31 (Repeat Count = 1)

Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	1.29999995
Prev1ScIDrvVel_RadpS_M_f32	-12917.2998
Prev2PreAttnComp_MtrNm_M_f32	-5.5
Prev2ScIDrvVel_RadpS_M_f32	-900.359985
ScaledDriverVel_MtrRadpS_T_f32	-4.01999998
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str

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Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	288		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2560		
t_FDD_AttenTblY_Uls_u8p8[0]	63		
t_FDD_AttenTblY_Uls_u8p8[1]	66		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00844999962		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.000563999987		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.779999971		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.745		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.3453002		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.67859983		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0.722379088	0.722378969 ± 0.0000009	✔
Prev1PreAttnComp_MtrNm_M_f32	2.93538165	2.93538117 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-4.01999998	-4.01999998 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.29999995	1.29999995 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-12917.2998	-12917.2998 ± 0.00390625	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.32 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		2.29999995		
Prev1ScIDrvVel_RadpS_M_f32		12917.2998		
Prev2PreAttnComp_MtrNm_M_f32		5.5		
Prev2ScIDrvVel_RadpS_M_f32		-2000.09998		
ScaledDriverVel_MtrRadpS_T_f32		-1.04999995		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		304		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		2640		
t_FDD_AttenTblY_Uls_u8p8[0]		78		
t_FDD_AttenTblY_Uls_u8p8[1]		80		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00944999978		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.000653999974		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		1.01999998		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.84529996		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-4.87345314		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.15644979		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		1.61534405	1.61534405 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32		5.30164194	5.30164194 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		-1.04999995	-1.04999995 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		2.29999995	2.29999995 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		12917.2998	12917.2998 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.33 (Repeat Count = 1)	
Name	Input Value
Prev1PreAttnComp_MtrNm_M_f32	-2.29999995
Prev1ScIDrvVel_RadpS_M_f32	0
Prev2PreAttnComp_MtrNm_M_f32	-4.4000001
Prev2ScIDrvVel_RadpS_M_f32	3000
ScaledDriverVel_MtrRadpS_T_f32	2.05999994
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1760
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2720
t_FDD_AttenTblY_Uls_u8p8[0]	106
t_FDD_AttenTblY_Uls_u8p8[1]	109
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0132400002
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.305599988
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	1.32000005
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.9454

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53399992		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.7456398		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.96688271	-2.96688247 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-7.1653018	-7.16530085 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32	2.05999994	2.05999994 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-2.29999995	-2.29999995 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	0	0 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.34 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	3.4000001			
Prev1ScIDrvVel_RadpS_M_f32	-2000.02002			
Prev2PreAttnComp_MtrNm_M_f32	4.4000001			
Prev2ScIDrvVel_RadpS_M_f32	-3000.3999			
ScaledDriverVel_MtrRadpS_T_f32	-2.04999995			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1920			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2800			
t_FDD_AttenTblY_Uls_u8p8[0]	129			
t_FDD_AttenTblY_Uls_u8p8[1]	131			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0223399997			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.00467800023			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00185759994			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.04563999			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.3453002			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.84533978			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	6.05533695	6.05533695 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	12.0167923	12.0167923 ± 0.00009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-2.04999995	-2.04999995 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	3.4000001	3.4000001 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-2000.02002	-2000.02002 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.35 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-3.4000001			
Prev1ScIDrvVel_RadpS_M_f32	2000.03003			
Prev2PreAttnComp_MtrNm_M_f32	-3.29999995			
Prev2ScIDrvVel_RadpS_M_f32	4000.6001			
ScaledDriverVel_MtrRadpS_T_f32	-350.019989			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2080			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2880			
t_FDD_AttenTblY_Uls_u8p8[0]	157			
t_FDD_AttenTblY_Uls_u8p8[1]	161			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0323400013			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.0478399992			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00164499995			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.1456399			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.3453002			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.93450022			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-4.80776691	-4.80776644 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-7.64464808	-7.64464712 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-350.019989	-350.019989 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-3.4000001	-3.4000001 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	2000.03003	2000.03003 ± 0.00390625	✓	

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GenFddlcCmd



Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.36 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-8.80000019			
Prev1ScIDrvVel_RadpS_M_f32	-1000.40002			
Prev2PreAttnComp_MtrNm_M_f32	-5.5			
Prev2ScIDrvVel_RadpS_M_f32	-7500.6001			
ScaledDriverVel_MtrRadpS_T_f32	-3.04999995			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2240			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	2960			
t_FDD_AttenTblY_Uls_u8p8[0]	183			
t_FDD_AttenTblY_Uls_u8p8[1]	185			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0445640013			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.32554999			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00234199991			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.24539995			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53453016			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	5.34229994			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	-3.7178309	-3.71783352 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	-5.20090008	-5.20090389 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-3.04999995	-3.04999995 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-1000.40002	-1000.40002 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.37 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	8.80000019			
Prev1ScIDrvVel_RadpS_M_f32	980.599976			
Prev2PreAttnComp_MtrNm_M_f32	-2.20000005			
Prev2ScIDrvVel_RadpS_M_f32	6500.8501			
ScaledDriverVel_MtrRadpS_T_f32	4.05000019			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2400			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3040			
t_FDD_AttenTblY_Uls_u8p8[0]	230			
t_FDD_AttenTblY_Uls_u8p8[1]	232			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0535340011			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330264002			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00252350001			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.36750007			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.42339993			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.13453007			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	5.50454187	5.5045433 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	6.12679434	6.12679625 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	4.05000019	4.05000019 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	8.80000019	8.80000019 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	980.599976	980.599976 ± 0.00390625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.38 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	0		
Prev1ScIDrvVel_RadpS_M_f32	-1000		
Prev2PreAttnComp_MtrNm_M_f32	2.20000005		
Prev2ScIDrvVel_RadpS_M_f32	-5000.41016		
ScaledDriverVel_MtrRadpS_T_f32	-4.80000019		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2560		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3120		
t_FDD_AttenTblY_Uls_u8p8[0]	71		
t_FDD_AttenTblY_Uls_u8p8[1]	74		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0423419997		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.275660008		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00153500005		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.45600009		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.84564018		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.42341995		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.99402881	-2.99402905 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	-10.7953711	-10.795372 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	-4.80000019	-4.80000019 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	0	0 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-1000	-1000 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.39 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	-5.25		
Prev1ScIDrvVel_RadpS_M_f32	1500.05005		
Prev2PreAttnComp_MtrNm_M_f32	-1.10000002		
Prev2ScIDrvVel_RadpS_M_f32	6000.68994		
ScaledDriverVel_MtrRadpS_T_f32	5.9000001		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2720		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3200		
t_FDD_AttenTblY_Uls_u8p8[0]	86		
t_FDD_AttenTblY_Uls_u8p8[1]	88		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0534529984		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.284563988		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.00123419997		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.56574988		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.32785988		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.25640011		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	4.06544733	4.06544781 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	12.1017971	12.1017981 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	5.9000001	5.9000001 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-5.25	-5.25 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	1500.05005	1500.05005 ± 0.00390625	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.40 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	5.25		
Prev1ScIDrvVel_RadpS_M_f32	2500.06006		
Prev2PreAttnComp_MtrNm_M_f32	1.10000002		
Prev2ScIDrvVel_RadpS_M_f32	9000.4502		
ScaledDriverVel_MtrRadpS_T_f32	2557		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		

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GenFddlcCmd



Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2880		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3280		
t_FDD_AttenTblY_Uls_u8p8[0]	114		
t_FDD_AttenTblY_Uls_u8p8[1]	116		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0132400002		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.295599997		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.0006345		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.67860007		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.31230021		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.55639982		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	45.0379448	45.037941 ± 0.00009	✓
Prev1PreAttnComp_MtrNm_M_f32	99.3940811	99.3940735 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32	2557	2557 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	5.25	5.25 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	2500.06006	2500.06006 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.41 (Repeat Count = 1)					
Name		Input Value			
Prev1PreAttnComp_MtrNm_M_f32		4.5999999			
Prev1ScIDrvVel_RadpS_M_f32		-1500.06006			
Prev2PreAttnComp_MtrNm_M_f32		-8.80000019			
Prev2ScIDrvVel_RadpS_M_f32		-9000.11035			
ScaledDriverVel_MtrRadpS_T_f32		1646.69995			
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		3040			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		3360			
t_FDD_AttenTblY_Uls_u8p8[0]		136			
t_FDD_AttenTblY_Uls_u8p8[1]		139			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00630000001			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.113449998			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.000234000006			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.77649999			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.34533978			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.73522997			
Name		Actual Value	Expected Value	Result	
GenFddlcCmd()		-4.42373562	-4.4237361 ± 0.00009		
Prev1PreAttnComp_MtrNm_M_f32		-8.14731121	-8.14731216 ± 0.00009		
Prev1ScIDrvVel_RadpS_M_f32		1646.69995	1646.69995 ± 0.00390625		
Prev2PreAttnComp_MtrNm_M_f32		4.5999999	4.5999999 ± 0.00048828125		
Prev2ScIDrvVel_RadpS_M_f32		-1500.06006	-1500.06006 ± 0.00390625		

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.42 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-4.5999999			
Prev1ScIDrvVel_RadpS_M_f32	600.070007			
Prev2PreAttnComp_MtrNm_M_f32	8.80000019			
Prev2ScIDrvVel_RadpS_M_f32	9900.65039			
ScaledDriverVel_MtrRadpS_T_f32	-6.80000019			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1920			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3440			
t_FDD_AttenTblY_Uls_u8p8[0]	63			
t_FDD_AttenTblY_Uls_u8p8[1]	66			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00744999992			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.156450003			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.25			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	2.84563994			

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.43419981		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.84499979		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-1.46749699	-1.46749687 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-5.96316242	-5.96316195 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	-6.80000019	-6.80000019 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	-4.59999999	-4.59999999 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	600.070007	600.070007 ± 0.00390625	✔

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.43 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		5.69999981		
Prev1ScIDrvVel_RadpS_M_f32		5000		
Prev2PreAttnComp_MtrNm_M_f32		0		
Prev2ScIDrvVel_RadpS_M_f32		8000.6499		
ScaledDriverVel_MtrRadpS_T_f32		2412.05005		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		2080		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		3520		
t_FDD_AttenTblY_Uls_u8p8[0]		189		
t_FDD_AttenTblY_Uls_u8p8[1]		191		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0234200004		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.00123399997		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.000243779999		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.94564009		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.84564018		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.93452978		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		-14.621316	-14.621316 ± 0.00009	✓
Prev1PreAttnComp_MtrNm_M_f32		-19.5971565	-19.5971565 ± 0.00009	✓
Prev1ScIDrvVel_RadpS_M_f32		2412.05005	2412.05005 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		5.69999981	5.69999981 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		5000	5000 ± 0.00390625	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	

Test Step 2.44 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		-5.69999981		
Prev1ScIDrvVel_RadpS_M_f32		-9000.01465		
Prev2PreAttnComp_MtrNm_M_f32		-5.25		
Prev2ScIDrvVel_RadpS_M_f32		-6000.12012		
ScaledDriverVel_MtrRadpS_T_f32		-23.0200005		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		2240		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		3600		
t_FDD_AttenTblY_Uls_u8p8[0]		237		
t_FDD_AttenTblY_Uls_u8p8[1]		239		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0323400013		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0155999996		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.360000014		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.06739998		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.45834923		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.14300013		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		3.19451404	3.19450998 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32		3.45061421	3.45060992 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		-23.0200005	-23.0200005 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		-5.69999981	-5.69999981 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		-9000.01465	-9000.01465 ± 0.00390625	✓

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GenFddlcCmd



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.45 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	6.80000019		
Prev1ScIDrvVel_RadpS_M_f32	600.090027		
Prev2PreAttnComp_MtrNm_M_f32	5.25		
Prev2ScIDrvVel_RadpS_M_f32	9000.62012		
ScaledDriverVel_MtrRadpS_T_f32	34.0600014		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	2400		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3680		
t_FDD_AttenTblY_Uls_u8p8[0]	230		
t_FDD_AttenTblY_Uls_u8p8[1]	232		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00645000022		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.167769998		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.540000021		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.1456399		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.86493492		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.7456398		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	9.78774643	9.78774548 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	10.894187	10.894187 ± 0.00009	✔
Prev1ScIDrvVel_RadpS_M_f32	34.0600014	34.0600014 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	6.80000019	6.80000019 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	600.090027	600.090027 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.46 (Repeat Count = 1)

Name	Input Value		
Prev1PreAttnComp_MtrNm_M_f32	1.5		
Prev1ScIDrvVel_RadpS_M_f32	-400.049988		
Prev2PreAttnComp_MtrNm_M_f32	6.80000019		
Prev2ScIDrvVel_RadpS_M_f32	-7235.12012		
ScaledDriverVel_MtrRadpS_T_f32	45.0600014		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	0		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	0		
t_FDD_AttenTblY_Uls_u8p8[0]	71		
t_FDD_AttenTblY_Uls_u8p8[1]	74		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00553400023		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.273440003		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.000533999992		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.3678		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.24234009		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.54522991		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	-2.39375806	-2.3937583 ± 0.000009	✔
Prev1PreAttnComp_MtrNm_M_f32	-8.28110886	-8.28110981 ± 0.000009	✔
Prev1ScIDrvVel_RadpS_M_f32	45.0600014	45.0600014 ± 0.00390625	✔
Prev2PreAttnComp_MtrNm_M_f32	1.5	1.5 ± 0.00048828125	✔
Prev2ScIDrvVel_RadpS_M_f32	-400.049988	-400.049988 ± 0.00390625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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GenFddlcCmd



Test Step 2.47 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-1.5			
Prev1ScIDrvVel_RadpS_M_f32	289.649994			
Prev2PreAttnComp_MtrNm_M_f32	-5.19999981			
Prev2ScIDrvVel_RadpS_M_f32	8563.2998			
ScaledDriverVel_MtrRadpS_T_f32	-4.05000019			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	17600			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	17600			
t_FDD_AttenTblY_Uls_u8p8[0]	86			
t_FDD_AttenTblY_Uls_u8p8[1]	88			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00633999985			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.285459995			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.140000001			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.47860003			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.97889996			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.75764513			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	1.24506903	1.24506915 ± 0.000009	✓	
Prev1PreAttnComp_MtrNm_M_f32	3.7062521	3.70625234 ± 0.000009	✓	
Prev1ScIDrvVel_RadpS_M_f32	-4.05000019	-4.05000019 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	-1.5	-1.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	289.649994	289.649994 ± 0.00390625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.48 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	2.5			
Prev1ScIDrvVel_RadpS_M_f32	-150			
Prev2PreAttnComp_MtrNm_M_f32	5.19999981			
Prev2ScIDrvVel_RadpS_M_f32	-9358.2002			
ScaledDriverVel_MtrRadpS_T_f32	5266.06006			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1005			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	9383			
t_FDD_AttenTblY_Uls_u8p8[0]	114			
t_FDD_AttenTblY_Uls_u8p8[1]	116			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00633999985			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.295599997			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.25999999			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.57679999			
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-5.53499985			
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	8.45629978			
Name	Actual Value	Expected Value	Result	
GenFddlcCmd()	74.4717255	74.4717255 ± 0.00009	✓	
Prev1PreAttnComp_MtrNm_M_f32	164.351395	164.351395 ± 0.0009	✓	
Prev1ScIDrvVel_RadpS_M_f32	5266.06006	5266.06006 ± 0.00390625	✓	
Prev2PreAttnComp_MtrNm_M_f32	2.5	2.5 ± 0.00048828125	✓	
Prev2ScIDrvVel_RadpS_M_f32	-150	-150 ± 0.00390625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.49 (Repeat Count = 1)

Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	-2.5			
Prev1ScIDrvVel_RadpS_M_f32	-2341.03003			
Prev2PreAttnComp_MtrNm_M_f32	-2.29999995			
Prev2ScIDrvVel_RadpS_M_f32	9782.2002			
ScaledDriverVel_MtrRadpS_T_f32	4585.02002			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			

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GenFddlcCmd

Name	Input Value		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1616		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3680		
t_FDD_AttenTblY_Uls_u8p8[0]	0		
t_FDD_AttenTblY_Uls_u8p8[1]	0		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00744999992		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.294499993		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.379999995		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.65674996		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.78986979		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	7.32420015		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	0	0 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	132.005234	132.005234 ± 0.0009	✓
Prev1ScIDrvVel_RadpS_M_f32	4585.02002	4585.02002 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	-2.5	-2.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32	-2341.03003	-2341.03003 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.50 (Repeat Count = 1)				✓
Name		Input Value		
Prev1PreAttnComp_MtrNm_M_f32		-3.5		
Prev1ScIDrvVel_RadpS_M_f32		500.011993		
Prev2PreAttnComp_MtrNm_M_f32		2.29999995		
Prev2ScIDrvVel_RadpS_M_f32		12000		
ScaledDriverVel_MtrRadpS_T_f32		3.01999998		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
t_FDD_AttenTblX_MtrRadpS_u12p4[0]		1632		
t_FDD_AttenTblX_MtrRadpS_u12p4[1]		3696		
t_FDD_AttenTblY_Uls_u8p8[0]		256		
t_FDD_AttenTblY_Uls_u8p8[1]		256		
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00844999962		
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.303600013		
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.5		
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.745		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.6456399		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.67452002		
Name		Actual Value	Expected Value	Result
GenFddlcCmd()		4.95908308	4.9590807 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32		4.95908308	4.9590807 ± 0.000009	✓
Prev1ScIDrvVel_RadpS_M_f32		3.01999998	3.01999998 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32		-3.5	-3.5 ± 0.00048828125	✓
Prev2ScIDrvVel_RadpS_M_f32		500.011993	500.011993 ± 0.00390625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.51 (Repeat Count = 1)				
Name	Input Value			
Prev1PreAttnComp_MtrNm_M_f32	4.5			
Prev1ScIDrvVel_RadpS_M_f32	385.032013			
Prev2PreAttnComp_MtrNm_M_f32	-1.70000005			
Prev2ScIDrvVel_RadpS_M_f32	-10712.3203			
ScaledDriverVel_MtrRadpS_T_f32	-7.01999998			
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str			
t_FDD_AttenTblX_MtrRadpS_u12p4[0]	1648			
t_FDD_AttenTblX_MtrRadpS_u12p4[1]	3712			
t_FDD_AttenTblY_Uls_u8p8[0]	63			
t_FDD_AttenTblY_Uls_u8p8[1]	66			
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.00944999978			
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.305640012			
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0.620000005			
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	1.84529996			

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GenFddlcCmd

Name	Input Value		
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-6.42339993		
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	6.77452993		
Name	Actual Value	Expected Value	Result
GenFddlcCmd()	8.95816231	8.95816231 ± 0.000009	✓
Prev1PreAttnComp_MtrNm_M_f32	36.4014206	36.4014206 ± 0.00009	✓
Prev1SclDrvVel_RadpS_M_f32	-7.01999998	-7.01999998 ± 0.00390625	✓
Prev2PreAttnComp_MtrNm_M_f32	4.5	4.5 ± 0.00048828125	✓
Prev2SclDrvVel_RadpS_M_f32	385.032013	385.032013 ± 0.00390625	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1		✓

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ADDCoefCalc



Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	ADDCoefCalc

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

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ADDCoefCalc



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as ""0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

ADDCoefCalc

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Test Case 1: Boundary Test

Specification Performance Metrics (With "None" Instrumentation and "WithPS" Environment)

CPU Cycles:

TS1.1 1409.00 Cycles
TS1.2 1399.00 Cycles
TS1.3 1430.00 Cycles
TS1.4 1487.00 Cycles
TS1.5 1387.00 Cycles
TS1.6 1432.00 Cycles
TS1.7 1541.00 Cycles
TS1.8 1375.00 Cycles
TS1.9 1386.00 Cycles
TS1.10 1398.00 Cycles
TS1.11 1375.00 Cycles
TS1.12 1681.00 Cycles
TS1.13 1387.00 Cycles
TS1.14 1556.00 Cycles
TS1.15 1387.00 Cycles
TS1.16 1387.00 Cycles
TS1.17 1419.00 Cycles
TS1.18 1387.00 Cycles
TS1.19 1387.00 Cycles
TS1.20 1387.00 Cycles
TS1.21 1387.00 Cycles
TS1.22 1387.00 Cycles
TS1.23 1387.00 Cycles
TS1.24 1419.00 Cycles
TS1.25 1419.00 Cycles
TS1.26 1398.00 Cycles
TS1.27 1387.00 Cycles
TS1.28 1387.00 Cycles
TS1.29 1398.00 Cycles
TS1.30 1601.00 Cycles
TS1.31 1419.00 Cycles
TS1.32 1387.00 Cycles
TS1.33 1387.00 Cycles
TS1.34 1387.00 Cycles
TS1.35 1387.00 Cycles
TS1.36 1398.00 Cycles
TS1.37 1398.00 Cycles

Description Test Vector Description

TS1.1 All min
TS1.2 All max
TS1.3 BaseAssistCmd_MtrNm_T_f32 min
TS1.4 BaseAssistCmd_MtrNm_T_f32 max
TS1.5 BaseAssistCmd_MtrNm_T_f32 zero
TS1.6 BaseAssistCmd_MtrNm_T_f32 pos
TS1.7 BaseAssistCmd_MtrNm_T_f32 neg
TS1.8 WIRCmdAmpBlnd_MtrNm_T_f32 min
TS1.9 WIRCmdAmpBlnd_MtrNm_T_f32 max
TS1.10 WIRCmdAmpBlnd_MtrNm_T_f32 pos
TS1.11 VehicleSpeed1_Kph_T_f32 min
TS1.12 VehicleSpeed1_Kph_T_f32 max
TS1.13 VehicleSpeed1_Kph_T_f32 pos
TS1.14 t_DmpADDCoefX_MtrNm_u4p12[10] min
TS1.15 t_DmpADDCoefX_MtrNm_u4p12[10] max
TS1.16 t_DmpADDCoefX_MtrNm_u4p12[10] pos
TS1.17 t2_FDD_ADDRollingTblYM1_MtrNmpRadpS_um1p17[10] min
TS1.18 t2_FDD_ADDRollingTblYM1_MtrNmpRadpS_um1p17[10] max
TS1.19 t2_FDD_ADDRollingTblYM1_MtrNmpRadpS_um1p17[10] pos
TS1.20 t2_FDD_ADDRollingTblYM2_MtrNmpRadpS_um1p17[10] min
TS1.21 t2_FDD_ADDRollingTblYM2_MtrNmpRadpS_um1p17[10] max
TS1.22 t2_FDD_ADDRollingTblYM2_MtrNmpRadpS_um1p17[10] pos
TS1.23 t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[10] min
TS1.24 t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[10] max
TS1.25 t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[10] pos
TS1.26 t_WIRBlndTblX_MtrNm_u8p8[5] min
TS1.27 t_WIRBlndTblX_MtrNm_u8p8[5] max
TS1.28 t_WIRBlndTblX_MtrNm_u8p8[5] pos
TS1.29 t_RIAstWIRBlndTblY_Uls_u2p14[5] min
TS1.30 t_RIAstWIRBlndTblY_Uls_u2p14[5] max
TS1.31 t_RIAstWIRBlndTblY_Uls_u2p14[5] pos
TS1.32 t_CmnVehSpd_Kph_u9p7[12] min
TS1.33 t_CmnVehSpd_Kph_u9p7[12] max
TS1.34 t_CmnVehSpd_Kph_u9p7[12] pos
TS1.35 t_FDD_BlendTblY_Uls_u8p8[12] min
TS1.36 t_FDD_BlendTblY_Uls_u8p8[12] max
TS1.37 t_FDD_BlendTblY_Uls_u8p8[12] pos

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-8.80000019
VehicleSpeed_Kph_T_f32	0
WIRCmdAmpBlnd_MtrNm_T_f32	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	0

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Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpADDCoefX_MtrNm_u4p12[0]	0		
t_DmpADDCoefX_MtrNm_u4p12[1]	0		
t_DmpADDCoefX_MtrNm_u4p12[2]	0		
t_DmpADDCoefX_MtrNm_u4p12[3]	0		
t_DmpADDCoefX_MtrNm_u4p12[4]	0		
t_DmpADDCoefX_MtrNm_u4p12[5]	0		
t_DmpADDCoefX_MtrNm_u4p12[6]	0		
t_DmpADDCoefX_MtrNm_u4p12[7]	0		
t_DmpADDCoefX_MtrNm_u4p12[8]	0		
t_DmpADDCoefX_MtrNm_u4p12[9]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[0]	0		
t_FDD_BlendTbIY_Uls_u8p8[1]	0		
t_FDD_BlendTbIY_Uls_u8p8[2]	0		
t_FDD_BlendTbIY_Uls_u8p8[3]	0		
t_FDD_BlendTbIY_Uls_u8p8[4]	0		
t_FDD_BlendTbIY_Uls_u8p8[5]	0		
t_FDD_BlendTbIY_Uls_u8p8[6]	0		
t_FDD_BlendTbIY_Uls_u8p8[7]	0		
t_FDD_BlendTbIY_Uls_u8p8[8]	0		
t_FDD_BlendTbIY_Uls_u8p8[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[10]	0		
t_FDD_BlendTbIY_Uls_u8p8[11]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	0		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	0		
t_WIRBIndTbIX_MtrNm_u8p8[0]	0		
t_WIRBIndTbIX_MtrNm_u8p8[1]	0		
t_WIRBIndTbIX_MtrNm_u8p8[2]	0		
t_WIRBIndTbIX_MtrNm_u8p8[3]	0		
t_WIRBIndTbIX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0	0 ± 0.000009	✔

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Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	8.80000019
VehicleSpeed_Kph_T_f32	511.992188
WIRCmdAmpBlnd_MtrNm_T_f32	8.80000019
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][0]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][1]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][2]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][3]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][4]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][5]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][6]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][7]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][8]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[0][9]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][0]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][1]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][2]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][3]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][4]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][5]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][6]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][7]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][8]	6554
t2_FDD_ADDRollingTbLY_MtrNmpRadpS_um1p17[1][9]	6554
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_DmpADDCoefX_MtrNm_u4p12[0]	36045
t_DmpADDCoefX_MtrNm_u4p12[1]	36045
t_DmpADDCoefX_MtrNm_u4p12[2]	36045
t_DmpADDCoefX_MtrNm_u4p12[3]	36045
t_DmpADDCoefX_MtrNm_u4p12[4]	36045
t_DmpADDCoefX_MtrNm_u4p12[5]	36045
t_DmpADDCoefX_MtrNm_u4p12[6]	36045
t_DmpADDCoefX_MtrNm_u4p12[7]	36045
t_DmpADDCoefX_MtrNm_u4p12[8]	36045
t_DmpADDCoefX_MtrNm_u4p12[9]	36045
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	6554
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	6554
t_FDD_BlendTbLY_Uls_u8p8[0]	256
t_FDD_BlendTbLY_Uls_u8p8[1]	256
t_FDD_BlendTbLY_Uls_u8p8[2]	256
t_FDD_BlendTbLY_Uls_u8p8[3]	256
t_FDD_BlendTbLY_Uls_u8p8[4]	256
t_FDD_BlendTbLY_Uls_u8p8[5]	256
t_FDD_BlendTbLY_Uls_u8p8[6]	256
t_FDD_BlendTbLY_Uls_u8p8[7]	256
t_FDD_BlendTbLY_Uls_u8p8[8]	256

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Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	256		
t_FDD_BlendTblY_Uls_u8p8[10]	256		
t_FDD_BlendTblY_Uls_u8p8[11]	256		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	16384		
t_WIRBIndTblX_MtrNm_u8p8[0]	2048		
t_WIRBIndTblX_MtrNm_u8p8[1]	2048		
t_WIRBIndTblX_MtrNm_u8p8[2]	2048		
t_WIRBIndTblX_MtrNm_u8p8[3]	2048		
t_WIRBIndTblX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0500030518	0.0500030518 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.3 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-8.80000019
VehicleSpeed_Kph_T_f32	12.3199997
WIRCmdAmpBlnd_MtrNm_T_f32	5.19999981
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3409
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	523
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1038
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1553

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	8192		
t_WIRBIndTblX_MtrNm_u8p8[0]	282		
t_WIRBIndTblX_MtrNm_u8p8[1]	307		
t_WIRBIndTblX_MtrNm_u8p8[2]	333		
t_WIRBIndTblX_MtrNm_u8p8[3]	358		
t_WIRBIndTblX_MtrNm_u8p8[4]	384		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0369348824	0.0369348824 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.4 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	8.80000019
VehicleSpeed_Kph_T_f32	24
WIRCmdAmpBlnd_MtrNm_T_f32	6.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5159
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800

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Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695		
t_FDD_BlendTbIY_Uls_u8p8[0]	5		
t_FDD_BlendTbIY_Uls_u8p8[1]	8		
t_FDD_BlendTbIY_Uls_u8p8[2]	10		
t_FDD_BlendTbIY_Uls_u8p8[3]	13		
t_FDD_BlendTbIY_Uls_u8p8[4]	15		
t_FDD_BlendTbIY_Uls_u8p8[5]	18		
t_FDD_BlendTbIY_Uls_u8p8[6]	20		
t_FDD_BlendTbIY_Uls_u8p8[7]	23		
t_FDD_BlendTbIY_Uls_u8p8[8]	26		
t_FDD_BlendTbIY_Uls_u8p8[9]	28		
t_FDD_BlendTbIY_Uls_u8p8[10]	31		
t_FDD_BlendTbIY_Uls_u8p8[11]	33		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	9830		
t_WIRBlndTbIX_MtrNm_u8p8[0]	538		
t_WIRBlndTbIX_MtrNm_u8p8[1]	563		
t_WIRBlndTbIX_MtrNm_u8p8[2]	589		
t_WIRBlndTbIX_MtrNm_u8p8[3]	614		
t_WIRBlndTbIX_MtrNm_u8p8[4]	640		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.013426058	0.013426058 ± 0.00000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	0
VehicleSpeed_Kph_T_f32	36.25
WIRCmdAmpBlnd_MtrNm_T_f32	7.30000019
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	924

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Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1034		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1144		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	1254		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1364		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1475		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1585		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1695		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_DmpADDCoefX_MtrNm_u4p12[0]	12698		
t_DmpADDCoefX_MtrNm_u4p12[1]	13107		
t_DmpADDCoefX_MtrNm_u4p12[2]	13517		
t_DmpADDCoefX_MtrNm_u4p12[3]	13926		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTbIY_Uls_u8p8[0]	10		
t_FDD_BlendTbIY_Uls_u8p8[1]	13		
t_FDD_BlendTbIY_Uls_u8p8[2]	15		
t_FDD_BlendTbIY_Uls_u8p8[3]	18		
t_FDD_BlendTbIY_Uls_u8p8[4]	20		
t_FDD_BlendTbIY_Uls_u8p8[5]	23		
t_FDD_BlendTbIY_Uls_u8p8[6]	26		
t_FDD_BlendTbIY_Uls_u8p8[7]	28		
t_FDD_BlendTbIY_Uls_u8p8[8]	31		
t_FDD_BlendTbIY_Uls_u8p8[9]	33		
t_FDD_BlendTbIY_Uls_u8p8[10]	36		
t_FDD_BlendTbIY_Uls_u8p8[11]	38		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	11469		
t_WIRBIndTbIX_MtrNm_u8p8[0]	794		
t_WIRBIndTbIX_MtrNm_u8p8[1]	819		
t_WIRBIndTbIX_MtrNm_u8p8[2]	845		
t_WIRBIndTbIX_MtrNm_u8p8[3]	870		
t_WIRBIndTbIX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00668188976	0.00668189023 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

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Test Step 1.6 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	5.25
VehicleSpeed_Kph_T_f32	48.1199989
WIRCmdAmpBlnd_MtrNm_T_f32	8.10000038
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	2387
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33
t_FDD_BlendTbIY_Uls_u8p8[9]	36
t_FDD_BlendTbIY_Uls_u8p8[10]	38
t_FDD_BlendTbIY_Uls_u8p8[11]	41
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	6554
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	8192
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	9830
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	11469

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1050		
t_WIRBlndTblX_MtrNm_u8p8[1]	1075		
t_WIRBlndTblX_MtrNm_u8p8[2]	1101		
t_WIRBlndTblX_MtrNm_u8p8[3]	1126		
t_WIRBlndTblX_MtrNm_u8p8[4]	1152		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0174616091	0.0174616072 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.7 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-5.44999981
VehicleSpeed_Kph_T_f32	60
WIRCmdAmpBlnd_MtrNm_T_f32	5.19999981
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	2387
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1246
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1638
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2030
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2422
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2814
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3206
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3598
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	3990
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4382
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	4774

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	15		
t_FDD_BlendTblY_Uls_u8p8[1]	18		
t_FDD_BlendTblY_Uls_u8p8[2]	20		
t_FDD_BlendTblY_Uls_u8p8[3]	23		
t_FDD_BlendTblY_Uls_u8p8[4]	26		
t_FDD_BlendTblY_Uls_u8p8[5]	28		
t_FDD_BlendTblY_Uls_u8p8[6]	31		
t_FDD_BlendTblY_Uls_u8p8[7]	33		
t_FDD_BlendTblY_Uls_u8p8[8]	36		
t_FDD_BlendTblY_Uls_u8p8[9]	38		
t_FDD_BlendTblY_Uls_u8p8[10]	41		
t_FDD_BlendTblY_Uls_u8p8[11]	44		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0190629773	0.0190629773 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.8 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.10000002
VehicleSpeed_Kph_T_f32	72.3499985
WIRCmdAmpBlnd_MtrNm_T_f32	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4774
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1427		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1655		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1884		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2112		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2340		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2568		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2796		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	3024		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3252		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3480		
t_FDD_BlendTblY_Uls_u8p8[0]	18		
t_FDD_BlendTblY_Uls_u8p8[1]	20		
t_FDD_BlendTblY_Uls_u8p8[2]	23		
t_FDD_BlendTblY_Uls_u8p8[3]	26		
t_FDD_BlendTblY_Uls_u8p8[4]	28		
t_FDD_BlendTblY_Uls_u8p8[5]	31		
t_FDD_BlendTblY_Uls_u8p8[6]	33		
t_FDD_BlendTblY_Uls_u8p8[7]	36		
t_FDD_BlendTblY_Uls_u8p8[8]	38		
t_FDD_BlendTblY_Uls_u8p8[9]	41		
t_FDD_BlendTblY_Uls_u8p8[10]	44		
t_FDD_BlendTblY_Uls_u8p8[11]	46		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	8192		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0107031446	0.0107031437 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.9 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.20000005
VehicleSpeed_Kph_T_f32	84
WIRCmdAmpBlnd_MtrNm_T_f32	8.80000019
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1427
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1655
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1884
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2112
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2340
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2568
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2796
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3252
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3480

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTbLY_Uls_u8p8[0]	20		
t_FDD_BlendTbLY_Uls_u8p8[1]	23		
t_FDD_BlendTbLY_Uls_u8p8[2]	26		
t_FDD_BlendTbLY_Uls_u8p8[3]	28		
t_FDD_BlendTbLY_Uls_u8p8[4]	31		
t_FDD_BlendTbLY_Uls_u8p8[5]	33		
t_FDD_BlendTbLY_Uls_u8p8[6]	36		
t_FDD_BlendTbLY_Uls_u8p8[7]	38		
t_FDD_BlendTbLY_Uls_u8p8[8]	41		
t_FDD_BlendTbLY_Uls_u8p8[9]	44		
t_FDD_BlendTbLY_Uls_u8p8[10]	46		
t_FDD_BlendTbLY_Uls_u8p8[11]	49		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	9830		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1766		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1792		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1818		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1843		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1869		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0121170254	0.0121170264 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.10 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.29999995
VehicleSpeed_Kph_T_f32	96.1399994
WIRCmdAmpBlnd_MtrNm_T_f32	4.25
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2112

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	1608		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	2032		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	2455		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][3]	2878		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][4]	3302		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][5]	3725		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][6]	4148		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][7]	4572		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][8]	4995		
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][9]	5419		
t_CmnVehSpd_Kph_u9p7[0]	10368		
t_CmnVehSpd_Kph_u9p7[1]	10496		
t_CmnVehSpd_Kph_u9p7[2]	10624		
t_CmnVehSpd_Kph_u9p7[3]	10752		
t_CmnVehSpd_Kph_u9p7[4]	10880		
t_CmnVehSpd_Kph_u9p7[5]	11008		
t_CmnVehSpd_Kph_u9p7[6]	11136		
t_CmnVehSpd_Kph_u9p7[7]	11264		
t_CmnVehSpd_Kph_u9p7[8]	11392		
t_CmnVehSpd_Kph_u9p7[9]	11520		
t_CmnVehSpd_Kph_u9p7[10]	11648		
t_CmnVehSpd_Kph_u9p7[11]	11776		
t_DmpADDCoefX_MtrNm_u4p12[0]	24986		
t_DmpADDCoefX_MtrNm_u4p12[1]	25395		
t_DmpADDCoefX_MtrNm_u4p12[2]	25805		
t_DmpADDCoefX_MtrNm_u4p12[3]	26214		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	1789		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	2130		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	2471		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	2811		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	3152		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	3493		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	3834		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	4175		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	4515		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	4856		
t_FDD_BlendTbLY_Uls_u8p8[0]	49		
t_FDD_BlendTbLY_Uls_u8p8[1]	51		
t_FDD_BlendTbLY_Uls_u8p8[2]	54		
t_FDD_BlendTbLY_Uls_u8p8[3]	57		
t_FDD_BlendTbLY_Uls_u8p8[4]	60		
t_FDD_BlendTbLY_Uls_u8p8[5]	63		
t_FDD_BlendTbLY_Uls_u8p8[6]	66		
t_FDD_BlendTbLY_Uls_u8p8[7]	68		
t_FDD_BlendTbLY_Uls_u8p8[8]	71		
t_FDD_BlendTbLY_Uls_u8p8[9]	74		
t_FDD_BlendTbLY_Uls_u8p8[10]	77		
t_FDD_BlendTbLY_Uls_u8p8[11]	80		
t_RIAstWIRBIndTbLY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTbLY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTbLY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTbLY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTbLY_Uls_u2p14[4]	11469		
t_WIRBIndTbIX_MtrNm_u8p8[0]	410		
t_WIRBIndTbIX_MtrNm_u8p8[1]	435		
t_WIRBIndTbIX_MtrNm_u8p8[2]	461		
t_WIRBIndTbIX_MtrNm_u8p8[3]	486		
t_WIRBIndTbIX_MtrNm_u8p8[4]	512		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0130879935	0.0130879926 ± 0.00000009	✓

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ADDCoefCalc

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.11 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.39999998
VehicleSpeed_Kph_T_f32	0
WIRCmdAmpBlnd_MtrNm_T_f32	1.10000002
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4856
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_BlendTbIY_Uls_u8p8[0]	65
t_FDD_BlendTbIY_Uls_u8p8[1]	68
t_FDD_BlendTbIY_Uls_u8p8[2]	70
t_FDD_BlendTbIY_Uls_u8p8[3]	73
t_FDD_BlendTbIY_Uls_u8p8[4]	75
t_FDD_BlendTbIY_Uls_u8p8[5]	78
t_FDD_BlendTbIY_Uls_u8p8[6]	80
t_FDD_BlendTbIY_Uls_u8p8[7]	83
t_FDD_BlendTbIY_Uls_u8p8[8]	86

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	88		
t_FDD_BlendTblY_Uls_u8p8[10]	91		
t_FDD_BlendTblY_Uls_u8p8[11]	93		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	666		
t_WIRBIndTblX_MtrNm_u8p8[1]	691		
t_WIRBIndTblX_MtrNm_u8p8[2]	717		
t_WIRBIndTblX_MtrNm_u8p8[3]	742		
t_WIRBIndTblX_MtrNm_u8p8[4]	768		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00417164806	0.00417164806 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.12 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.5
VehicleSpeed_Kph_T_f32	511.992188
WIRCmdAmpBlnd_MtrNm_T_f32	1.20000005
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5419
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992
t_CmnVehSpd_Kph_u9p7[9]	5120
t_CmnVehSpd_Kph_u9p7[10]	5248
t_CmnVehSpd_Kph_u9p7[11]	5376
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1024

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTblY_Uls_u8p8[0]	93		
t_FDD_BlendTblY_Uls_u8p8[1]	96		
t_FDD_BlendTblY_Uls_u8p8[2]	99		
t_FDD_BlendTblY_Uls_u8p8[3]	101		
t_FDD_BlendTblY_Uls_u8p8[4]	104		
t_FDD_BlendTblY_Uls_u8p8[5]	106		
t_FDD_BlendTblY_Uls_u8p8[6]	109		
t_FDD_BlendTblY_Uls_u8p8[7]	111		
t_FDD_BlendTblY_Uls_u8p8[8]	114		
t_FDD_BlendTblY_Uls_u8p8[9]	116		
t_FDD_BlendTblY_Uls_u8p8[10]	119		
t_FDD_BlendTblY_Uls_u8p8[11]	122		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	14746		
t_WIRBIndTblX_MtrNm_u8p8[0]	922		
t_WIRBIndTblX_MtrNm_u8p8[1]	947		
t_WIRBIndTblX_MtrNm_u8p8[2]	973		
t_WIRBIndTblX_MtrNm_u8p8[3]	998		
t_WIRBIndTblX_MtrNm_u8p8[4]	1024		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0185419321	0.0185419321 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.13 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.60000002
VehicleSpeed_Kph_T_f32	100.209999
WIRCmdAmpBlnd_MtrNm_T_f32	1.29999995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	5419
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4856
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	8192		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00872414559	0.00872414559 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.14 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.70000005
VehicleSpeed_Kph_T_f32	108
WIRCmdAmpBlnd_MtrNm_T_f32	1.39999998
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	494

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	661		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	827		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	994		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	1160		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	1326		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	1493		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	1659		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	0		
t_DmpADDCoefX_MtrNm_u4p12[1]	0		
t_DmpADDCoefX_MtrNm_u4p12[2]	0		
t_DmpADDCoefX_MtrNm_u4p12[3]	0		
t_DmpADDCoefX_MtrNm_u4p12[4]	0		
t_DmpADDCoefX_MtrNm_u4p12[5]	0		
t_DmpADDCoefX_MtrNm_u4p12[6]	0		
t_DmpADDCoefX_MtrNm_u4p12[7]	0		
t_DmpADDCoefX_MtrNm_u4p12[8]	0		
t_DmpADDCoefX_MtrNm_u4p12[9]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695		
t_FDD_BlendTbIY_Uls_u8p8[0]	144		
t_FDD_BlendTbIY_Uls_u8p8[1]	146		
t_FDD_BlendTbIY_Uls_u8p8[2]	149		
t_FDD_BlendTbIY_Uls_u8p8[3]	152		
t_FDD_BlendTbIY_Uls_u8p8[4]	154		
t_FDD_BlendTbIY_Uls_u8p8[5]	157		
t_FDD_BlendTbIY_Uls_u8p8[6]	159		
t_FDD_BlendTbIY_Uls_u8p8[7]	162		
t_FDD_BlendTbIY_Uls_u8p8[8]	164		
t_FDD_BlendTbIY_Uls_u8p8[9]	167		
t_FDD_BlendTbIY_Uls_u8p8[10]	169		
t_FDD_BlendTbIY_Uls_u8p8[11]	172		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	9830		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0254064538	0.0254064538 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

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ADDCoefCalc

Test Step 1.15 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.79999995
VehicleSpeed_Kph_T_f32	120.139999
WIRCmdAmpBlnd_MtrNm_T_f32	1.5
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][9]	3409
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	36045
t_DmpADDCoefX_MtrNm_u4p12[1]	36045
t_DmpADDCoefX_MtrNm_u4p12[2]	36045
t_DmpADDCoefX_MtrNm_u4p12[3]	36045
t_DmpADDCoefX_MtrNm_u4p12[4]	36045
t_DmpADDCoefX_MtrNm_u4p12[5]	36045
t_DmpADDCoefX_MtrNm_u4p12[6]	36045
t_DmpADDCoefX_MtrNm_u4p12[7]	36045
t_DmpADDCoefX_MtrNm_u4p12[8]	36045
t_DmpADDCoefX_MtrNm_u4p12[9]	36045
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[2]	1087
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[3]	1188
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[4]	1288
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[5]	1389
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[6]	1490
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[7]	1591
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[8]	1692
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[9]	1793
t_FDD_BlendTbly_Uls_u8p8[0]	172
t_FDD_BlendTbly_Uls_u8p8[1]	174
t_FDD_BlendTbly_Uls_u8p8[2]	176
t_FDD_BlendTbly_Uls_u8p8[3]	178
t_FDD_BlendTbly_Uls_u8p8[4]	180
t_FDD_BlendTbly_Uls_u8p8[5]	183
t_FDD_BlendTbly_Uls_u8p8[6]	185
t_FDD_BlendTbly_Uls_u8p8[7]	187
t_FDD_BlendTbly_Uls_u8p8[8]	189
t_FDD_BlendTbly_Uls_u8p8[9]	191
t_FDD_BlendTbly_Uls_u8p8[10]	193
t_FDD_BlendTbly_Uls_u8p8[11]	195
t_RIAstWIRBlndTbly_Uls_u2p14[0]	4915
t_RIAstWIRBlndTbly_Uls_u2p14[1]	6554
t_RIAstWIRBlndTbly_Uls_u2p14[2]	8192
t_RIAstWIRBlndTbly_Uls_u2p14[3]	9830

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Name	Input Value		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	11469		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1690		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1715		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1741		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1766		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00286007137	0.0028600709 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.16 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.89999998
VehicleSpeed_Kph_T_f32	132
WIRCmdAmpBlnd_MtrNm_T_f32	1.60000002
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTblyM_MtrNmpRadpS_um1p17[1][9]	1659
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[0]	1066
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[1]	1212
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[2]	1359
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[3]	1506
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[4]	1653
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[5]	1800
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[6]	1946
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[7]	2093
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[8]	2240
t_FDD_ADDStaticTbly_MtrNmpRadpS_um1p17[9]	2387

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Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1894		
t_WIRBlndTblX_MtrNm_u8p8[1]	1920		
t_WIRBlndTblX_MtrNm_u8p8[2]	1946		
t_WIRBlndTblX_MtrNm_u8p8[3]	1971		
t_WIRBlndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00236540218	0.00236540195 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.17 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	2
VehicleSpeed_Kph_T_f32	144.25
WIRCmdAmpBlnd_MtrNm_T_f32	1.70000005
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	0
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1659
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	6144		
t_DmpADDCoefX_MtrNm_u4p12[5]	6554		
t_DmpADDCoefX_MtrNm_u4p12[6]	6963		
t_DmpADDCoefX_MtrNm_u4p12[7]	7373		
t_DmpADDCoefX_MtrNm_u4p12[8]	7782		
t_DmpADDCoefX_MtrNm_u4p12[9]	8192		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1246		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1638		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2030		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2422		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2814		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3206		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3598		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	3990		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4382		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	4774		
t_FDD_BlendTblY_Uls_u8p8[0]	3		
t_FDD_BlendTblY_Uls_u8p8[1]	5		
t_FDD_BlendTblY_Uls_u8p8[2]	8		
t_FDD_BlendTblY_Uls_u8p8[3]	10		
t_FDD_BlendTblY_Uls_u8p8[4]	13		
t_FDD_BlendTblY_Uls_u8p8[5]	15		
t_FDD_BlendTblY_Uls_u8p8[6]	18		
t_FDD_BlendTblY_Uls_u8p8[7]	20		
t_FDD_BlendTblY_Uls_u8p8[8]	23		
t_FDD_BlendTblY_Uls_u8p8[9]	26		
t_FDD_BlendTblY_Uls_u8p8[10]	28		
t_FDD_BlendTblY_Uls_u8p8[11]	31		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	922		
t_WIRBlndTblX_MtrNm_u8p8[1]	947		
t_WIRBlndTblX_MtrNm_u8p8[2]	973		
t_WIRBlndTblX_MtrNm_u8p8[3]	998		
t_WIRBlndTblX_MtrNm_u8p8[4]	1024		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0327785164	0.0327785164 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.18 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-1
VehicleSpeed_Kph_T_f32	156.119995
WIRCmdAmpBlnd_MtrNm_T_f32	1.79999995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	3409

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	342		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	683		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	1024		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTbLY_Uls_u8p8[0]	5		
t_FDD_BlendTbLY_Uls_u8p8[1]	8		
t_FDD_BlendTbLY_Uls_u8p8[2]	10		
t_FDD_BlendTbLY_Uls_u8p8[3]	13		
t_FDD_BlendTbLY_Uls_u8p8[4]	15		
t_FDD_BlendTbLY_Uls_u8p8[5]	18		
t_FDD_BlendTbLY_Uls_u8p8[6]	20		
t_FDD_BlendTbLY_Uls_u8p8[7]	23		
t_FDD_BlendTbLY_Uls_u8p8[8]	26		
t_FDD_BlendTbLY_Uls_u8p8[9]	28		
t_FDD_BlendTbLY_Uls_u8p8[10]	31		
t_FDD_BlendTbLY_Uls_u8p8[11]	33		
t_RIAstWIRBlndTbLY_Uls_u2p14[0]	1638		
t_RIAstWIRBlndTbLY_Uls_u2p14[1]	3277		
t_RIAstWIRBlndTbLY_Uls_u2p14[2]	4915		
t_RIAstWIRBlndTbLY_Uls_u2p14[3]	6554		
t_RIAstWIRBlndTbLY_Uls_u2p14[4]	8192		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00810782239	0.00810782332 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.19 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-2
VehicleSpeed_Kph_T_f32	168
WIRCmdAmpBlnd_MtrNm_T_f32	1.89999998
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2112

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Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159		
t_CmnVehSpd_Kph_u9p7[0]	15488		
t_CmnVehSpd_Kph_u9p7[1]	15616		
t_CmnVehSpd_Kph_u9p7[2]	15744		
t_CmnVehSpd_Kph_u9p7[3]	15872		
t_CmnVehSpd_Kph_u9p7[4]	16000		
t_CmnVehSpd_Kph_u9p7[5]	16128		
t_CmnVehSpd_Kph_u9p7[6]	16256		
t_CmnVehSpd_Kph_u9p7[7]	16384		
t_CmnVehSpd_Kph_u9p7[8]	16512		
t_CmnVehSpd_Kph_u9p7[9]	16640		
t_CmnVehSpd_Kph_u9p7[10]	16768		
t_CmnVehSpd_Kph_u9p7[11]	16896		
t_DmpADDCoefX_MtrNm_u4p12[0]	12698		
t_DmpADDCoefX_MtrNm_u4p12[1]	13107		
t_DmpADDCoefX_MtrNm_u4p12[2]	13517		
t_DmpADDCoefX_MtrNm_u4p12[3]	13926		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	523		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	1038		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1553		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTbIY_Uls_u8p8[0]	10		
t_FDD_BlendTbIY_Uls_u8p8[1]	13		
t_FDD_BlendTbIY_Uls_u8p8[2]	15		
t_FDD_BlendTbIY_Uls_u8p8[3]	18		
t_FDD_BlendTbIY_Uls_u8p8[4]	20		
t_FDD_BlendTbIY_Uls_u8p8[5]	23		
t_FDD_BlendTbIY_Uls_u8p8[6]	26		
t_FDD_BlendTbIY_Uls_u8p8[7]	28		
t_FDD_BlendTbIY_Uls_u8p8[8]	31		
t_FDD_BlendTbIY_Uls_u8p8[9]	33		
t_FDD_BlendTbIY_Uls_u8p8[10]	36		
t_FDD_BlendTbIY_Uls_u8p8[11]	38		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	9830		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00480917655	0.00480917608 ± 0.000000009	✓

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ADDCoefCalc

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.20 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-3
VehicleSpeed_Kph_T_f32	180.210007
WIRCmdAmpBlnd_MtrNm_T_f32	2
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	0
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	0
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695
t_FDD_BlendTbIY_Uls_u8p8[0]	13
t_FDD_BlendTbIY_Uls_u8p8[1]	15
t_FDD_BlendTbIY_Uls_u8p8[2]	18
t_FDD_BlendTbIY_Uls_u8p8[3]	20
t_FDD_BlendTbIY_Uls_u8p8[4]	23
t_FDD_BlendTbIY_Uls_u8p8[5]	26
t_FDD_BlendTbIY_Uls_u8p8[6]	28
t_FDD_BlendTbIY_Uls_u8p8[7]	31
t_FDD_BlendTbIY_Uls_u8p8[8]	33

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	36		
t_FDD_BlendTblY_Uls_u8p8[10]	38		
t_FDD_BlendTblY_Uls_u8p8[11]	41		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	11469		
t_WIRBIndTblX_MtrNm_u8p8[0]	1690		
t_WIRBIndTblX_MtrNm_u8p8[1]	1715		
t_WIRBIndTblX_MtrNm_u8p8[2]	1741		
t_WIRBIndTblX_MtrNm_u8p8[3]	1766		
t_WIRBIndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00464858953	0.00464858999 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.21 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-4
VehicleSpeed_Kph_T_f32	192
WIRCmdAmpBlnd_MtrNm_T_f32	2.0999999
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	6554
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	6554
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272
t_CmnVehSpd_Kph_u9p7[9]	6400
t_CmnVehSpd_Kph_u9p7[10]	6528
t_CmnVehSpd_Kph_u9p7[11]	6656
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118
t_DmpADDCoefX_MtrNm_u4p12[4]	22528
t_DmpADDCoefX_MtrNm_u4p12[5]	22938
t_DmpADDCoefX_MtrNm_u4p12[6]	23347
t_DmpADDCoefX_MtrNm_u4p12[7]	23757
t_DmpADDCoefX_MtrNm_u4p12[8]	24166
t_DmpADDCoefX_MtrNm_u4p12[9]	24576
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	885
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	986
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1087

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTblY_Uls_u8p8[0]	15		
t_FDD_BlendTblY_Uls_u8p8[1]	18		
t_FDD_BlendTblY_Uls_u8p8[2]	20		
t_FDD_BlendTblY_Uls_u8p8[3]	23		
t_FDD_BlendTblY_Uls_u8p8[4]	26		
t_FDD_BlendTblY_Uls_u8p8[5]	28		
t_FDD_BlendTblY_Uls_u8p8[6]	31		
t_FDD_BlendTblY_Uls_u8p8[7]	33		
t_FDD_BlendTblY_Uls_u8p8[8]	36		
t_FDD_BlendTblY_Uls_u8p8[9]	38		
t_FDD_BlendTblY_Uls_u8p8[10]	41		
t_FDD_BlendTblY_Uls_u8p8[11]	44		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	1894		
t_WIRBIndTblX_MtrNm_u8p8[1]	1920		
t_WIRBIndTblX_MtrNm_u8p8[2]	1946		
t_WIRBIndTblX_MtrNm_u8p8[3]	1971		
t_WIRBIndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00929849967	0.00929849967 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.22 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-5
VehicleSpeed_Kph_T_f32	204
WIRCmdAmpBlnd_MtrNm_T_f32	2.200000005
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	5419
t_CmnVehSpd_Kph_u9p7[0]	3968
t_CmnVehSpd_Kph_u9p7[1]	4096
t_CmnVehSpd_Kph_u9p7[2]	4224
t_CmnVehSpd_Kph_u9p7[3]	4352
t_CmnVehSpd_Kph_u9p7[4]	4480
t_CmnVehSpd_Kph_u9p7[5]	4608
t_CmnVehSpd_Kph_u9p7[6]	4736
t_CmnVehSpd_Kph_u9p7[7]	4864
t_CmnVehSpd_Kph_u9p7[8]	4992

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	5120		
t_CmnVehSpd_Kph_u9p7[10]	5248		
t_CmnVehSpd_Kph_u9p7[11]	5376		
t_DmpADDCoefX_MtrNm_u4p12[0]	24986		
t_DmpADDCoefX_MtrNm_u4p12[1]	25395		
t_DmpADDCoefX_MtrNm_u4p12[2]	25805		
t_DmpADDCoefX_MtrNm_u4p12[3]	26214		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTbIY_Uls_u8p8[0]	18		
t_FDD_BlendTbIY_Uls_u8p8[1]	20		
t_FDD_BlendTbIY_Uls_u8p8[2]	23		
t_FDD_BlendTbIY_Uls_u8p8[3]	26		
t_FDD_BlendTbIY_Uls_u8p8[4]	28		
t_FDD_BlendTbIY_Uls_u8p8[5]	31		
t_FDD_BlendTbIY_Uls_u8p8[6]	33		
t_FDD_BlendTbIY_Uls_u8p8[7]	36		
t_FDD_BlendTbIY_Uls_u8p8[8]	38		
t_FDD_BlendTbIY_Uls_u8p8[9]	41		
t_FDD_BlendTbIY_Uls_u8p8[10]	44		
t_FDD_BlendTbIY_Uls_u8p8[11]	46		
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTbIY_Uls_u2p14[4]	14746		
t_WIRBlndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00246831775	0.00246831798 ± 0.000000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.23 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-6
VehicleSpeed_Kph_T_f32	216.25
WIRCmdAmpBlnd_MtrNm_T_f32	2.29999995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159		
t_CmnVehSpd_Kph_u9p7[0]	128		
t_CmnVehSpd_Kph_u9p7[1]	256		
t_CmnVehSpd_Kph_u9p7[2]	384		
t_CmnVehSpd_Kph_u9p7[3]	512		
t_CmnVehSpd_Kph_u9p7[4]	640		
t_CmnVehSpd_Kph_u9p7[5]	768		
t_CmnVehSpd_Kph_u9p7[6]	896		
t_CmnVehSpd_Kph_u9p7[7]	1024		
t_CmnVehSpd_Kph_u9p7[8]	1152		
t_CmnVehSpd_Kph_u9p7[9]	1280		
t_CmnVehSpd_Kph_u9p7[10]	1408		
t_CmnVehSpd_Kph_u9p7[11]	1536		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	0		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	0		
t_FDD_BlendTbIY_Uls_u8p8[0]	20		
t_FDD_BlendTbIY_Uls_u8p8[1]	23		
t_FDD_BlendTbIY_Uls_u8p8[2]	26		
t_FDD_BlendTbIY_Uls_u8p8[3]	28		
t_FDD_BlendTbIY_Uls_u8p8[4]	31		
t_FDD_BlendTbIY_Uls_u8p8[5]	33		
t_FDD_BlendTbIY_Uls_u8p8[6]	36		
t_FDD_BlendTbIY_Uls_u8p8[7]	38		
t_FDD_BlendTbIY_Uls_u8p8[8]	41		
t_FDD_BlendTbIY_Uls_u8p8[9]	44		
t_FDD_BlendTbIY_Uls_u8p8[10]	46		
t_FDD_BlendTbIY_Uls_u8p8[11]	49		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	1638		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	8192		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1434		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1459		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1485		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1510		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1536		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00100163568	0.00100163603 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

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ADDCoefCalc

Test Step 1.24 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-7
VehicleSpeed_Kph_T_f32	228.25
WIRCmdAmpBlnd_MtrNm_T_f32	2.4000001
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTbIY_MtrNmpRadpS_um1p17[1][9]	1695
t_CmnVehSpd_Kph_u9p7[0]	2560
t_CmnVehSpd_Kph_u9p7[1]	3840
t_CmnVehSpd_Kph_u9p7[2]	5120
t_CmnVehSpd_Kph_u9p7[3]	6400
t_CmnVehSpd_Kph_u9p7[4]	7680
t_CmnVehSpd_Kph_u9p7[5]	8960
t_CmnVehSpd_Kph_u9p7[6]	10240
t_CmnVehSpd_Kph_u9p7[7]	11520
t_CmnVehSpd_Kph_u9p7[8]	12800
t_CmnVehSpd_Kph_u9p7[9]	14080
t_CmnVehSpd_Kph_u9p7[10]	15360
t_CmnVehSpd_Kph_u9p7[11]	16640
t_DmpADDCoefX_MtrNm_u4p12[0]	4506
t_DmpADDCoefX_MtrNm_u4p12[1]	4915
t_DmpADDCoefX_MtrNm_u4p12[2]	5325
t_DmpADDCoefX_MtrNm_u4p12[3]	5734
t_DmpADDCoefX_MtrNm_u4p12[4]	6144
t_DmpADDCoefX_MtrNm_u4p12[5]	6554
t_DmpADDCoefX_MtrNm_u4p12[6]	6963
t_DmpADDCoefX_MtrNm_u4p12[7]	7373
t_DmpADDCoefX_MtrNm_u4p12[8]	7782
t_DmpADDCoefX_MtrNm_u4p12[9]	8192
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	6554
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	6554
t_FDD_BlendTbIY_Uls_u8p8[0]	49
t_FDD_BlendTbIY_Uls_u8p8[1]	51
t_FDD_BlendTbIY_Uls_u8p8[2]	54
t_FDD_BlendTbIY_Uls_u8p8[3]	57
t_FDD_BlendTbIY_Uls_u8p8[4]	60
t_FDD_BlendTbIY_Uls_u8p8[5]	63
t_FDD_BlendTbIY_Uls_u8p8[6]	66
t_FDD_BlendTbIY_Uls_u8p8[7]	68
t_FDD_BlendTbIY_Uls_u8p8[8]	71
t_FDD_BlendTbIY_Uls_u8p8[9]	74
t_FDD_BlendTbIY_Uls_u8p8[10]	77
t_FDD_BlendTbIY_Uls_u8p8[11]	80
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBndTblY_Uls_u2p14[4]	9830		
t_WIRBndTblX_MtrNm_u8p8[0]	1690		
t_WIRBndTblX_MtrNm_u8p8[1]	1715		
t_WIRBndTblX_MtrNm_u8p8[2]	1741		
t_WIRBndTblX_MtrNm_u8p8[3]	1766		
t_WIRBndTblX_MtrNm_u8p8[4]	1792		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0386052094	0.0386052094 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.25 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-8
VehicleSpeed_Kph_T_f32	240
WIRCmdAmpBlnd_MtrNm_T_f32	2.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	6784
t_CmnVehSpd_Kph_u9p7[1]	6912
t_CmnVehSpd_Kph_u9p7[2]	7040
t_CmnVehSpd_Kph_u9p7[3]	7168
t_CmnVehSpd_Kph_u9p7[4]	7296
t_CmnVehSpd_Kph_u9p7[5]	7424
t_CmnVehSpd_Kph_u9p7[6]	7552
t_CmnVehSpd_Kph_u9p7[7]	7680
t_CmnVehSpd_Kph_u9p7[8]	7808
t_CmnVehSpd_Kph_u9p7[9]	7936
t_CmnVehSpd_Kph_u9p7[10]	8064
t_CmnVehSpd_Kph_u9p7[11]	8192
t_DmpADDCoefX_MtrNm_u4p12[0]	8602
t_DmpADDCoefX_MtrNm_u4p12[1]	9011
t_DmpADDCoefX_MtrNm_u4p12[2]	9421
t_DmpADDCoefX_MtrNm_u4p12[3]	9830
t_DmpADDCoefX_MtrNm_u4p12[4]	10240
t_DmpADDCoefX_MtrNm_u4p12[5]	10650
t_DmpADDCoefX_MtrNm_u4p12[6]	11059
t_DmpADDCoefX_MtrNm_u4p12[7]	11469
t_DmpADDCoefX_MtrNm_u4p12[8]	11878
t_DmpADDCoefX_MtrNm_u4p12[9]	12288
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3409

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	65		
t_FDD_BlendTblY_Uls_u8p8[1]	68		
t_FDD_BlendTblY_Uls_u8p8[2]	70		
t_FDD_BlendTblY_Uls_u8p8[3]	73		
t_FDD_BlendTblY_Uls_u8p8[4]	75		
t_FDD_BlendTblY_Uls_u8p8[5]	78		
t_FDD_BlendTblY_Uls_u8p8[6]	80		
t_FDD_BlendTblY_Uls_u8p8[7]	83		
t_FDD_BlendTblY_Uls_u8p8[8]	86		
t_FDD_BlendTblY_Uls_u8p8[9]	88		
t_FDD_BlendTblY_Uls_u8p8[10]	91		
t_FDD_BlendTblY_Uls_u8p8[11]	93		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	11469		
t_WIRBIndTblX_MtrNm_u8p8[0]	1894		
t_WIRBIndTblX_MtrNm_u8p8[1]	1920		
t_WIRBIndTblX_MtrNm_u8p8[2]	1946		
t_WIRBIndTblX_MtrNm_u8p8[3]	1971		
t_WIRBIndTblX_MtrNm_u8p8[4]	1997		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0226821322	0.0226821322 ± 0.00000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.26 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	3
VehicleSpeed_Kph_T_f32	252.240005
WIRCmdAmpBlnd_MtrNm_T_f32	2.5999999
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	2387
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	14336		
t_DmpADDCoefX_MtrNm_u4p12[5]	14746		
t_DmpADDCoefX_MtrNm_u4p12[6]	15155		
t_DmpADDCoefX_MtrNm_u4p12[7]	15565		
t_DmpADDCoefX_MtrNm_u4p12[8]	15974		
t_DmpADDCoefX_MtrNm_u4p12[9]	16384		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTblY_Uls_u8p8[0]	93		
t_FDD_BlendTblY_Uls_u8p8[1]	96		
t_FDD_BlendTblY_Uls_u8p8[2]	99		
t_FDD_BlendTblY_Uls_u8p8[3]	101		
t_FDD_BlendTblY_Uls_u8p8[4]	104		
t_FDD_BlendTblY_Uls_u8p8[5]	106		
t_FDD_BlendTblY_Uls_u8p8[6]	109		
t_FDD_BlendTblY_Uls_u8p8[7]	111		
t_FDD_BlendTblY_Uls_u8p8[8]	114		
t_FDD_BlendTblY_Uls_u8p8[9]	116		
t_FDD_BlendTblY_Uls_u8p8[10]	119		
t_FDD_BlendTblY_Uls_u8p8[11]	122		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	13107		
t_WIRBIndTblX_MtrNm_u8p8[0]	0		
t_WIRBIndTblX_MtrNm_u8p8[1]	0		
t_WIRBIndTblX_MtrNm_u8p8[2]	0		
t_WIRBIndTblX_MtrNm_u8p8[3]	0		
t_WIRBIndTblX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0104283169	0.0104283169 ± 0.00000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.27 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	4
VehicleSpeed_Kph_T_f32	264
WIRCmdAmpBInd_MtrNm_T_f32	2.70000005
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2112
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2340
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2568
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2796
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3252
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3480
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4774

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	16794		
t_DmpADDCoefX_MtrNm_u4p12[1]	17203		
t_DmpADDCoefX_MtrNm_u4p12[2]	17613		
t_DmpADDCoefX_MtrNm_u4p12[3]	18022		
t_DmpADDCoefX_MtrNm_u4p12[4]	18432		
t_DmpADDCoefX_MtrNm_u4p12[5]	18842		
t_DmpADDCoefX_MtrNm_u4p12[6]	19251		
t_DmpADDCoefX_MtrNm_u4p12[7]	19661		
t_DmpADDCoefX_MtrNm_u4p12[8]	20070		
t_DmpADDCoefX_MtrNm_u4p12[9]	20480		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	1789		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	2130		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	2471		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2811		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	3152		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3493		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3834		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4175		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4515		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	4856		
t_FDD_BlendTblY_Uls_u8p8[0]	116		
t_FDD_BlendTblY_Uls_u8p8[1]	118		
t_FDD_BlendTblY_Uls_u8p8[2]	121		
t_FDD_BlendTblY_Uls_u8p8[3]	123		
t_FDD_BlendTblY_Uls_u8p8[4]	126		
t_FDD_BlendTblY_Uls_u8p8[5]	129		
t_FDD_BlendTblY_Uls_u8p8[6]	131		
t_FDD_BlendTblY_Uls_u8p8[7]	134		
t_FDD_BlendTblY_Uls_u8p8[8]	136		
t_FDD_BlendTblY_Uls_u8p8[9]	139		
t_FDD_BlendTblY_Uls_u8p8[10]	141		
t_FDD_BlendTblY_Uls_u8p8[11]	144		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	13107		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	14746		
t_WIRBlndTblX_MtrNm_u8p8[0]	2048		
t_WIRBlndTblX_MtrNm_u8p8[1]	2048		
t_WIRBlndTblX_MtrNm_u8p8[2]	2048		
t_WIRBlndTblX_MtrNm_u8p8[3]	2048		
t_WIRBlndTblX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0117070675	0.0117070666 ± 0.00000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.28 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	5
VehicleSpeed_Kph_T_f32	276.140015
WIRCmdAmpBlnd_MtrNm_T_f32	2.79999995
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1608
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	2032
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2455
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2878

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3302		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3725		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	4148		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4572		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4995		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	5419		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1427		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1655		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1884		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2112		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3480		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	20890		
t_DmpADDCoefX_MtrNm_u4p12[1]	21299		
t_DmpADDCoefX_MtrNm_u4p12[2]	21709		
t_DmpADDCoefX_MtrNm_u4p12[3]	22118		
t_DmpADDCoefX_MtrNm_u4p12[4]	22528		
t_DmpADDCoefX_MtrNm_u4p12[5]	22938		
t_DmpADDCoefX_MtrNm_u4p12[6]	23347		
t_DmpADDCoefX_MtrNm_u4p12[7]	23757		
t_DmpADDCoefX_MtrNm_u4p12[8]	24166		
t_DmpADDCoefX_MtrNm_u4p12[9]	24576		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1608		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2032		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2455		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2878		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3302		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3725		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	4148		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4572		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4995		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	5419		
t_FDD_BlendTbIY_Uls_u8p8[0]	144		
t_FDD_BlendTbIY_Uls_u8p8[1]	146		
t_FDD_BlendTbIY_Uls_u8p8[2]	149		
t_FDD_BlendTbIY_Uls_u8p8[3]	152		
t_FDD_BlendTbIY_Uls_u8p8[4]	154		
t_FDD_BlendTbIY_Uls_u8p8[5]	157		
t_FDD_BlendTbIY_Uls_u8p8[6]	159		
t_FDD_BlendTbIY_Uls_u8p8[7]	162		
t_FDD_BlendTbIY_Uls_u8p8[8]	164		
t_FDD_BlendTbIY_Uls_u8p8[9]	167		
t_FDD_BlendTbIY_Uls_u8p8[10]	169		
t_FDD_BlendTbIY_Uls_u8p8[11]	172		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	13107		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1178		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1203		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1229		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1254		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1280		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0118969213	0.0118969213 ± 0.00000009	✓

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ADDCoefCalc

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.29 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	6
VehicleSpeed_Kph_T_f32	288
WIRCmdAmpBlnd_MtrNm_T_f32	2.9000001
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1789
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	2130
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	2471
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2811
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	3152
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	3493
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	3834
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	4175
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	4515
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	4856
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1608
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	2032
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2455
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2878
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	3302
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3725
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	4148
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4572
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5419
t_CmnVehSpd_Kph_u9p7[0]	15488
t_CmnVehSpd_Kph_u9p7[1]	15616
t_CmnVehSpd_Kph_u9p7[2]	15744
t_CmnVehSpd_Kph_u9p7[3]	15872
t_CmnVehSpd_Kph_u9p7[4]	16000
t_CmnVehSpd_Kph_u9p7[5]	16128
t_CmnVehSpd_Kph_u9p7[6]	16256
t_CmnVehSpd_Kph_u9p7[7]	16384
t_CmnVehSpd_Kph_u9p7[8]	16512
t_CmnVehSpd_Kph_u9p7[9]	16640
t_CmnVehSpd_Kph_u9p7[10]	16768
t_CmnVehSpd_Kph_u9p7[11]	16896
t_DmpADDCoefX_MtrNm_u4p12[0]	24986
t_DmpADDCoefX_MtrNm_u4p12[1]	25395
t_DmpADDCoefX_MtrNm_u4p12[2]	25805
t_DmpADDCoefX_MtrNm_u4p12[3]	26214
t_DmpADDCoefX_MtrNm_u4p12[4]	26624
t_DmpADDCoefX_MtrNm_u4p12[5]	27034
t_DmpADDCoefX_MtrNm_u4p12[6]	27443
t_DmpADDCoefX_MtrNm_u4p12[7]	27853
t_DmpADDCoefX_MtrNm_u4p12[8]	28262
t_DmpADDCoefX_MtrNm_u4p12[9]	28672
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	1789
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	2130
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	2471
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	2811
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	3152
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	3493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	3834
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	4175
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	4515
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	4856
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[9]	191		
t_FDD_BlendTblY_Uls_u8p8[10]	193		
t_FDD_BlendTblY_Uls_u8p8[11]	195		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	0		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	0		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	0		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	0		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	0		
t_WIRBlndTblX_MtrNm_u8p8[0]	282		
t_WIRBlndTblX_MtrNm_u8p8[1]	307		
t_WIRBlndTblX_MtrNm_u8p8[2]	333		
t_WIRBlndTblX_MtrNm_u8p8[3]	358		
t_WIRBlndTblX_MtrNm_u8p8[4]	384		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0136489868	0.0136489868 ± 0.00000009	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.30 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	7
VehicleSpeed_Kph_T_f32	300.25
WIRCmdAmpBlnd_MtrNm_T_f32	3.20000005
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	1659
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1789
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	2130
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	2471
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	2811
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	3152
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	3493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	3834
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	4175
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	4515
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	4856
t_CmnVehSpd_Kph_u9p7[0]	10368
t_CmnVehSpd_Kph_u9p7[1]	10496
t_CmnVehSpd_Kph_u9p7[2]	10624
t_CmnVehSpd_Kph_u9p7[3]	10752
t_CmnVehSpd_Kph_u9p7[4]	10880
t_CmnVehSpd_Kph_u9p7[5]	11008
t_CmnVehSpd_Kph_u9p7[6]	11136
t_CmnVehSpd_Kph_u9p7[7]	11264
t_CmnVehSpd_Kph_u9p7[8]	11392
t_CmnVehSpd_Kph_u9p7[9]	11520
t_CmnVehSpd_Kph_u9p7[10]	11648
t_CmnVehSpd_Kph_u9p7[11]	11776
t_DmpADDCoefX_MtrNm_u4p12[0]	28262
t_DmpADDCoefX_MtrNm_u4p12[1]	28672
t_DmpADDCoefX_MtrNm_u4p12[2]	29082
t_DmpADDCoefX_MtrNm_u4p12[3]	29491
t_DmpADDCoefX_MtrNm_u4p12[4]	29901
t_DmpADDCoefX_MtrNm_u4p12[5]	30310
t_DmpADDCoefX_MtrNm_u4p12[6]	30720
t_DmpADDCoefX_MtrNm_u4p12[7]	31130
t_DmpADDCoefX_MtrNm_u4p12[8]	31539
t_DmpADDCoefX_MtrNm_u4p12[9]	31949
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	494

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ADDCoefCalc

Name	Input Value		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBIndTblY_Uls_u2p14[0]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[1]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[2]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[3]	16384		
t_RIAstWIRBIndTblY_Uls_u2p14[4]	16384		
t_WIRBIndTblX_MtrNm_u8p8[0]	538		
t_WIRBIndTblX_MtrNm_u8p8[1]	563		
t_WIRBIndTblX_MtrNm_u8p8[2]	589		
t_WIRBIndTblX_MtrNm_u8p8[3]	614		
t_WIRBIndTblX_MtrNm_u8p8[4]	640		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0155524611	0.0155524611 ± 0.00000009	✓

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.31 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	8
VehicleSpeed_Kph_T_f32	312
WIRCmdAmpBlnd_MtrNm_T_f32	3.0999999
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	342
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	683
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1024
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1705
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	2046
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2728
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	3068
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	3409
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	161
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	328
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	494
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	661
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	827
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	994
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1160
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1326
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1493
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1659
t_CmnVehSpd_Kph_u9p7[0]	5248
t_CmnVehSpd_Kph_u9p7[1]	5376
t_CmnVehSpd_Kph_u9p7[2]	5504
t_CmnVehSpd_Kph_u9p7[3]	5632
t_CmnVehSpd_Kph_u9p7[4]	5760
t_CmnVehSpd_Kph_u9p7[5]	5888
t_CmnVehSpd_Kph_u9p7[6]	6016
t_CmnVehSpd_Kph_u9p7[7]	6144
t_CmnVehSpd_Kph_u9p7[8]	6272

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[9]	6400		
t_CmnVehSpd_Kph_u9p7[10]	6528		
t_CmnVehSpd_Kph_u9p7[11]	6656		
t_DmpADDCoefX_MtrNm_u4p12[0]	4506		
t_DmpADDCoefX_MtrNm_u4p12[1]	4915		
t_DmpADDCoefX_MtrNm_u4p12[2]	5325		
t_DmpADDCoefX_MtrNm_u4p12[3]	5734		
t_DmpADDCoefX_MtrNm_u4p12[4]	6144		
t_DmpADDCoefX_MtrNm_u4p12[5]	6554		
t_DmpADDCoefX_MtrNm_u4p12[6]	6963		
t_DmpADDCoefX_MtrNm_u4p12[7]	7373		
t_DmpADDCoefX_MtrNm_u4p12[8]	7782		
t_DmpADDCoefX_MtrNm_u4p12[9]	8192		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[0]	342		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[1]	683		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[2]	1024		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[3]	1364		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[4]	1705		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[5]	2046		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[6]	2387		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[7]	2728		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[8]	3068		
t_FDD_ADDStaticTbLY_MtrNmpRadpS_um1p17[9]	3409		
t_FDD_BlendTbLY_Uls_u8p8[0]	15		
t_FDD_BlendTbLY_Uls_u8p8[1]	18		
t_FDD_BlendTbLY_Uls_u8p8[2]	20		
t_FDD_BlendTbLY_Uls_u8p8[3]	23		
t_FDD_BlendTbLY_Uls_u8p8[4]	26		
t_FDD_BlendTbLY_Uls_u8p8[5]	28		
t_FDD_BlendTbLY_Uls_u8p8[6]	31		
t_FDD_BlendTbLY_Uls_u8p8[7]	33		
t_FDD_BlendTbLY_Uls_u8p8[8]	36		
t_FDD_BlendTbLY_Uls_u8p8[9]	38		
t_FDD_BlendTbLY_Uls_u8p8[10]	41		
t_FDD_BlendTbLY_Uls_u8p8[11]	44		
t_RIAstWIRBlndTbLY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTbLY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTbLY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTbLY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTbLY_Uls_u2p14[4]	11469		
t_WIRBlndTbIX_MtrNm_u8p8[0]	794		
t_WIRBlndTbIX_MtrNm_u8p8[1]	819		
t_WIRBlndTbIX_MtrNm_u8p8[2]	845		
t_WIRBlndTbIX_MtrNm_u8p8[3]	870		
t_WIRBlndTbIX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.0253202002	0.0253202002 ± 0.00000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.32 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	1.5
VehicleSpeed_Kph_T_f32	324.140015
WIRCmdAmpBlnd_MtrNm_T_f32	3.20000005
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][0]	523
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][1]	1038
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][2]	1553
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][3]	2068
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][4]	2583
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][5]	3099
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][6]	3614
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][7]	4129
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][8]	4644
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[0][9]	5159
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][0]	342
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][1]	683
t2_FDD_ADDRollingTbLYM_MtrNmpRadpS_um1p17[1][2]	1024

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	1364		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	1705		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	2046		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	2387		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	2728		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	3068		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	3409		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpADDCoefX_MtrNm_u4p12[0]	8602		
t_DmpADDCoefX_MtrNm_u4p12[1]	9011		
t_DmpADDCoefX_MtrNm_u4p12[2]	9421		
t_DmpADDCoefX_MtrNm_u4p12[3]	9830		
t_DmpADDCoefX_MtrNm_u4p12[4]	10240		
t_DmpADDCoefX_MtrNm_u4p12[5]	10650		
t_DmpADDCoefX_MtrNm_u4p12[6]	11059		
t_DmpADDCoefX_MtrNm_u4p12[7]	11469		
t_DmpADDCoefX_MtrNm_u4p12[8]	11878		
t_DmpADDCoefX_MtrNm_u4p12[9]	12288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	1638		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	3277		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	4915		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	8192		
t_WIRBIndTbIX_MtrNm_u8p8[0]	1050		
t_WIRBIndTbIX_MtrNm_u8p8[1]	1075		
t_WIRBIndTbIX_MtrNm_u8p8[2]	1101		
t_WIRBIndTbIX_MtrNm_u8p8[3]	1126		
t_WIRBIndTbIX_MtrNm_u8p8[4]	1152		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00270421011	0.00270421011 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

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ADDCoefCalc

Test Step 1.33 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-1.5
VehicleSpeed_Kph_T_f32	336
WIRCmdAmpBlnd_MtrNm_T_f32	3.29999995
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	704
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	814
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	924
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	1034
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	1144
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	1254
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	1364
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	1475
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	1585
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	1695
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	523
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1038
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	1553
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2068
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2583
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3099
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3614
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	4129
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4644
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	5159
t_CmnVehSpd_Kph_u9p7[0]	32640
t_CmnVehSpd_Kph_u9p7[1]	32640
t_CmnVehSpd_Kph_u9p7[2]	32640
t_CmnVehSpd_Kph_u9p7[3]	32640
t_CmnVehSpd_Kph_u9p7[4]	32640
t_CmnVehSpd_Kph_u9p7[5]	32640
t_CmnVehSpd_Kph_u9p7[6]	32640
t_CmnVehSpd_Kph_u9p7[7]	32640
t_CmnVehSpd_Kph_u9p7[8]	32640
t_CmnVehSpd_Kph_u9p7[9]	32640
t_CmnVehSpd_Kph_u9p7[10]	32640
t_CmnVehSpd_Kph_u9p7[11]	32640
t_DmpADDCoefX_MtrNm_u4p12[0]	12698
t_DmpADDCoefX_MtrNm_u4p12[1]	13107
t_DmpADDCoefX_MtrNm_u4p12[2]	13517
t_DmpADDCoefX_MtrNm_u4p12[3]	13926
t_DmpADDCoefX_MtrNm_u4p12[4]	14336
t_DmpADDCoefX_MtrNm_u4p12[5]	14746
t_DmpADDCoefX_MtrNm_u4p12[6]	15155
t_DmpADDCoefX_MtrNm_u4p12[7]	15565
t_DmpADDCoefX_MtrNm_u4p12[8]	15974
t_DmpADDCoefX_MtrNm_u4p12[9]	16384
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	161
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	328
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	494
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	661
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	827
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	994
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1160
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1326
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1493
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1659
t_FDD_BlendTbIY_Uls_u8p8[0]	172
t_FDD_BlendTbIY_Uls_u8p8[1]	174
t_FDD_BlendTbIY_Uls_u8p8[2]	176
t_FDD_BlendTbIY_Uls_u8p8[3]	178
t_FDD_BlendTbIY_Uls_u8p8[4]	180
t_FDD_BlendTbIY_Uls_u8p8[5]	183
t_FDD_BlendTbIY_Uls_u8p8[6]	185
t_FDD_BlendTbIY_Uls_u8p8[7]	187
t_FDD_BlendTbIY_Uls_u8p8[8]	189
t_FDD_BlendTbIY_Uls_u8p8[9]	191
t_FDD_BlendTbIY_Uls_u8p8[10]	193
t_FDD_BlendTbIY_Uls_u8p8[11]	195
t_RIAstWIRBlndTbIY_Uls_u2p14[0]	3277
t_RIAstWIRBlndTbIY_Uls_u2p14[1]	4915
t_RIAstWIRBlndTbIY_Uls_u2p14[2]	6554
t_RIAstWIRBlndTbIY_Uls_u2p14[3]	8192

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ADDCoefCalc

Name	Input Value		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	9830		
t_WIRBlndTblX_MtrNm_u8p8[0]	1306		
t_WIRBlndTblX_MtrNm_u8p8[1]	1331		
t_WIRBlndTblX_MtrNm_u8p8[2]	1357		
t_WIRBlndTblX_MtrNm_u8p8[3]	1382		
t_WIRBlndTblX_MtrNm_u8p8[4]	1408		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00417356379	0.00417356379 ± 0.000000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.34 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	2.9000001
VehicleSpeed_Kph_T_f32	348.140015
WIRCmdAmpBlnd_MtrNm_T_f32	3.4000001
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	1793
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	704
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	924
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1034
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1144
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1254
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1364
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1475
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1585
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1695
t_CmnVehSpd_Kph_u9p7[0]	12800
t_CmnVehSpd_Kph_u9p7[1]	12928
t_CmnVehSpd_Kph_u9p7[2]	13056
t_CmnVehSpd_Kph_u9p7[3]	13184
t_CmnVehSpd_Kph_u9p7[4]	13312
t_CmnVehSpd_Kph_u9p7[5]	13440
t_CmnVehSpd_Kph_u9p7[6]	13568
t_CmnVehSpd_Kph_u9p7[7]	13696
t_CmnVehSpd_Kph_u9p7[8]	13824
t_CmnVehSpd_Kph_u9p7[9]	13952
t_CmnVehSpd_Kph_u9p7[10]	14080
t_CmnVehSpd_Kph_u9p7[11]	14208
t_DmpADDCoefX_MtrNm_u4p12[0]	16794
t_DmpADDCoefX_MtrNm_u4p12[1]	17203
t_DmpADDCoefX_MtrNm_u4p12[2]	17613
t_DmpADDCoefX_MtrNm_u4p12[3]	18022
t_DmpADDCoefX_MtrNm_u4p12[4]	18432
t_DmpADDCoefX_MtrNm_u4p12[5]	18842
t_DmpADDCoefX_MtrNm_u4p12[6]	19251
t_DmpADDCoefX_MtrNm_u4p12[7]	19661
t_DmpADDCoefX_MtrNm_u4p12[8]	20070
t_DmpADDCoefX_MtrNm_u4p12[9]	20480
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	342
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	683
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1024
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	1364
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	1705
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	2046
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	2387
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	2728
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	3068
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	3409

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ADDCoefCalc

Name	Input Value		
t_FDD_BlendTblY_Uls_u8p8[0]	218		
t_FDD_BlendTblY_Uls_u8p8[1]	220		
t_FDD_BlendTblY_Uls_u8p8[2]	223		
t_FDD_BlendTblY_Uls_u8p8[3]	225		
t_FDD_BlendTblY_Uls_u8p8[4]	227		
t_FDD_BlendTblY_Uls_u8p8[5]	230		
t_FDD_BlendTblY_Uls_u8p8[6]	232		
t_FDD_BlendTblY_Uls_u8p8[7]	234		
t_FDD_BlendTblY_Uls_u8p8[8]	237		
t_FDD_BlendTblY_Uls_u8p8[9]	239		
t_FDD_BlendTblY_Uls_u8p8[10]	241		
t_FDD_BlendTblY_Uls_u8p8[11]	243		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	4915		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	11469		
t_WIRBlndTblX_MtrNm_u8p8[0]	1562		
t_WIRBlndTblX_MtrNm_u8p8[1]	1587		
t_WIRBlndTblX_MtrNm_u8p8[2]	1613		
t_WIRBlndTblX_MtrNm_u8p8[3]	1638		
t_WIRBlndTblX_MtrNm_u8p8[4]	1664		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00614841701	0.00614841701 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.35 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	3.70000005
VehicleSpeed_Kph_T_f32	360
WIRCmdAmpBlnd_MtrNm_T_f32	3.5
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	2387
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	885
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	986
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1087
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1188
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1288
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1389
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1490
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	1591
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	1692
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	1793
t_CmnVehSpd_Kph_u9p7[0]	128
t_CmnVehSpd_Kph_u9p7[1]	256
t_CmnVehSpd_Kph_u9p7[2]	384
t_CmnVehSpd_Kph_u9p7[3]	512
t_CmnVehSpd_Kph_u9p7[4]	640
t_CmnVehSpd_Kph_u9p7[5]	768
t_CmnVehSpd_Kph_u9p7[6]	896
t_CmnVehSpd_Kph_u9p7[7]	1024
t_CmnVehSpd_Kph_u9p7[8]	1152
t_CmnVehSpd_Kph_u9p7[9]	1280
t_CmnVehSpd_Kph_u9p7[10]	1408
t_CmnVehSpd_Kph_u9p7[11]	1536
t_DmpADDCoefX_MtrNm_u4p12[0]	20890
t_DmpADDCoefX_MtrNm_u4p12[1]	21299
t_DmpADDCoefX_MtrNm_u4p12[2]	21709
t_DmpADDCoefX_MtrNm_u4p12[3]	22118

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ADDCoefCalc

Name	Input Value		
t_DmpADDCoefX_MtrNm_u4p12[4]	22528		
t_DmpADDCoefX_MtrNm_u4p12[5]	22938		
t_DmpADDCoefX_MtrNm_u4p12[6]	23347		
t_DmpADDCoefX_MtrNm_u4p12[7]	23757		
t_DmpADDCoefX_MtrNm_u4p12[8]	24166		
t_DmpADDCoefX_MtrNm_u4p12[9]	24576		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[0]	523		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[1]	1038		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[2]	1553		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[3]	2068		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[4]	2583		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[5]	3099		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[6]	3614		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[7]	4129		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[8]	4644		
t_FDD_ADDStaticTblY_MtrNmpRadpS_um1p17[9]	5159		
t_FDD_BlendTblY_Uls_u8p8[0]	0		
t_FDD_BlendTblY_Uls_u8p8[1]	0		
t_FDD_BlendTblY_Uls_u8p8[2]	0		
t_FDD_BlendTblY_Uls_u8p8[3]	0		
t_FDD_BlendTblY_Uls_u8p8[4]	0		
t_FDD_BlendTblY_Uls_u8p8[5]	0		
t_FDD_BlendTblY_Uls_u8p8[6]	0		
t_FDD_BlendTblY_Uls_u8p8[7]	0		
t_FDD_BlendTblY_Uls_u8p8[8]	0		
t_FDD_BlendTblY_Uls_u8p8[9]	0		
t_FDD_BlendTblY_Uls_u8p8[10]	0		
t_FDD_BlendTblY_Uls_u8p8[11]	0		
t_RIAstWIRBlndTblY_Uls_u2p14[0]	6554		
t_RIAstWIRBlndTblY_Uls_u2p14[1]	8192		
t_RIAstWIRBlndTblY_Uls_u2p14[2]	9830		
t_RIAstWIRBlndTblY_Uls_u2p14[3]	11469		
t_RIAstWIRBlndTblY_Uls_u2p14[4]	13107		
t_WIRBlndTblX_MtrNm_u8p8[0]	1766		
t_WIRBlndTblX_MtrNm_u8p8[1]	1792		
t_WIRBlndTblX_MtrNm_u8p8[2]	1818		
t_WIRBlndTblX_MtrNm_u8p8[3]	1843		
t_WIRBlndTblX_MtrNm_u8p8[4]	1869		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00399017334	0.00399017287 ± 0.000000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.36 (Repeat Count = 1)	
Name	Input Value
BaseAssistCmd_MtrNm_T_f32	-3.69000006
VehicleSpeed_Kph_T_f32	372.140015
WIRCmdAmpBlnd_MtrNm_T_f32	3.5999999
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][0]	1246
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][1]	1638
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][2]	2030
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][3]	2422
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][4]	2814
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][5]	3206
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][6]	3598
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][7]	3990
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][8]	4382
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[0][9]	4774
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][0]	1066
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][1]	1212
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][2]	1359
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][3]	1506
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][4]	1653
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][5]	1800
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][6]	1946
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][7]	2093
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][8]	2240
t2_FDD_ADDRollingTblYM_MtrNmpRadpS_um1p17[1][9]	2387

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ADDCoefCalc

Name	Input Value		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpADDCoefX_MtrNm_u4p12[0]	24986		
t_DmpADDCoefX_MtrNm_u4p12[1]	25395		
t_DmpADDCoefX_MtrNm_u4p12[2]	25805		
t_DmpADDCoefX_MtrNm_u4p12[3]	26214		
t_DmpADDCoefX_MtrNm_u4p12[4]	26624		
t_DmpADDCoefX_MtrNm_u4p12[5]	27034		
t_DmpADDCoefX_MtrNm_u4p12[6]	27443		
t_DmpADDCoefX_MtrNm_u4p12[7]	27853		
t_DmpADDCoefX_MtrNm_u4p12[8]	28262		
t_DmpADDCoefX_MtrNm_u4p12[9]	28672		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	704		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	814		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	924		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1034		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1144		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1254		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1364		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1475		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1585		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1695		
t_FDD_BlendTbIY_Uls_u8p8[0]	256		
t_FDD_BlendTbIY_Uls_u8p8[1]	256		
t_FDD_BlendTbIY_Uls_u8p8[2]	256		
t_FDD_BlendTbIY_Uls_u8p8[3]	256		
t_FDD_BlendTbIY_Uls_u8p8[4]	256		
t_FDD_BlendTbIY_Uls_u8p8[5]	256		
t_FDD_BlendTbIY_Uls_u8p8[6]	256		
t_FDD_BlendTbIY_Uls_u8p8[7]	256		
t_FDD_BlendTbIY_Uls_u8p8[8]	256		
t_FDD_BlendTbIY_Uls_u8p8[9]	256		
t_FDD_BlendTbIY_Uls_u8p8[10]	256		
t_FDD_BlendTbIY_Uls_u8p8[11]	256		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	11469		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	13107		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	14746		
t_WIRBIndTbIX_MtrNm_u8p8[0]	410		
t_WIRBIndTbIX_MtrNm_u8p8[1]	435		
t_WIRBIndTbIX_MtrNm_u8p8[2]	461		
t_WIRBIndTbIX_MtrNm_u8p8[3]	486		
t_WIRBIndTbIX_MtrNm_u8p8[4]	512		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00827023014	0.00827023014 ± 0.000000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

Test Step 1.37 (Repeat Count = 1)

Name	Input Value
BaseAssistCmd_MtrNm_T_f32	3.9000001
VehicleSpeed_Kph_T_f32	384.25
WIRCmdAmpBlnd_MtrNm_T_f32	3.70000005
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][0]	1427
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][1]	1655
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][2]	1884
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][3]	2112

TEST DETAILS REPORT

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ADDCoefCalc

Name	Input Value		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][4]	2340		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][5]	2568		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][6]	2796		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][7]	3024		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][8]	3252		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[0][9]	3480		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][0]	1246		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][1]	1638		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][2]	2030		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][3]	2422		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][4]	2814		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][5]	3206		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][6]	3598		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][7]	3990		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][8]	4382		
t2_FDD_ADDRollingTbIYM_MtrNmpRadpS_um1p17[1][9]	4774		
t_CmnVehSpd_Kph_u9p7[0]	12800		
t_CmnVehSpd_Kph_u9p7[1]	12928		
t_CmnVehSpd_Kph_u9p7[2]	13056		
t_CmnVehSpd_Kph_u9p7[3]	13184		
t_CmnVehSpd_Kph_u9p7[4]	13312		
t_CmnVehSpd_Kph_u9p7[5]	13440		
t_CmnVehSpd_Kph_u9p7[6]	13568		
t_CmnVehSpd_Kph_u9p7[7]	13696		
t_CmnVehSpd_Kph_u9p7[8]	13824		
t_CmnVehSpd_Kph_u9p7[9]	13952		
t_CmnVehSpd_Kph_u9p7[10]	14080		
t_CmnVehSpd_Kph_u9p7[11]	14208		
t_DmpADDCoefX_MtrNm_u4p12[0]	28262		
t_DmpADDCoefX_MtrNm_u4p12[1]	28672		
t_DmpADDCoefX_MtrNm_u4p12[2]	29082		
t_DmpADDCoefX_MtrNm_u4p12[3]	29491		
t_DmpADDCoefX_MtrNm_u4p12[4]	29901		
t_DmpADDCoefX_MtrNm_u4p12[5]	30310		
t_DmpADDCoefX_MtrNm_u4p12[6]	30720		
t_DmpADDCoefX_MtrNm_u4p12[7]	31130		
t_DmpADDCoefX_MtrNm_u4p12[8]	31539		
t_DmpADDCoefX_MtrNm_u4p12[9]	31949		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[0]	885		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[1]	986		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[2]	1087		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[3]	1188		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[4]	1288		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[5]	1389		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[6]	1490		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[7]	1591		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[8]	1692		
t_FDD_ADDStaticTbIY_MtrNmpRadpS_um1p17[9]	1793		
t_FDD_BlendTbIY_Uls_u8p8[0]	116		
t_FDD_BlendTbIY_Uls_u8p8[1]	118		
t_FDD_BlendTbIY_Uls_u8p8[2]	121		
t_FDD_BlendTbIY_Uls_u8p8[3]	123		
t_FDD_BlendTbIY_Uls_u8p8[4]	126		
t_FDD_BlendTbIY_Uls_u8p8[5]	129		
t_FDD_BlendTbIY_Uls_u8p8[6]	131		
t_FDD_BlendTbIY_Uls_u8p8[7]	134		
t_FDD_BlendTbIY_Uls_u8p8[8]	136		
t_FDD_BlendTbIY_Uls_u8p8[9]	139		
t_FDD_BlendTbIY_Uls_u8p8[10]	141		
t_FDD_BlendTbIY_Uls_u8p8[11]	144		
t_RIAstWIRBIndTbIY_Uls_u2p14[0]	6554		
t_RIAstWIRBIndTbIY_Uls_u2p14[1]	8192		
t_RIAstWIRBIndTbIY_Uls_u2p14[2]	9830		
t_RIAstWIRBIndTbIY_Uls_u2p14[3]	11469		
t_RIAstWIRBIndTbIY_Uls_u2p14[4]	13107		
t_WIRBIndTbIX_MtrNm_u8p8[0]	666		
t_WIRBIndTbIX_MtrNm_u8p8[1]	691		
t_WIRBIndTbIX_MtrNm_u8p8[2]	717		
t_WIRBIndTbIX_MtrNm_u8p8[3]	742		
t_WIRBIndTbIX_MtrNm_u8p8[4]	768		
Name	Actual Value	Expected Value	Result
ADDCoefCalc()	0.00845662132	0.00845662132 ± 0.000000009	✓

TEST DETAILS REPORT

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ADDCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	5	IntplVarXY_u16_u16Xu16Y_Cnt	5	✓

TEST DETAILS REPORT

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FilterCoefCalc



Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	FilterCoefCalc

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

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FilterCoefCalc



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxtLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as ""0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

FilterCoefCalc

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Test Case 1: Boundary Test

Specification "Performance Metrics (With ""None"" Instrumentation and ""WithPS"" Environment)

CPU Cycles:

TS1.1 1239.00 Cycles
TS1.2 1283.00 Cycles
TS1.3 1285.00 Cycles
TS1.4 1274.00 Cycles
TS1.5 1274.00 Cycles
TS1.6 1251.00 Cycles
TS1.7 1285.00 Cycles
TS1.8 1274.00 Cycles
TS1.9 1239.00 Cycles
TS1.10 1250.00 Cycles
TS1.11 1663.00 Cycles
TS1.12 1272.00 Cycles
TS1.13 1239.00 Cycles
TS1.14 1652.00 Cycles
TS1.15 1272.00 Cycles
TS1.16 1274.00 Cycles
TS1.17 1274.00 Cycles
TS1.18 1274.00 Cycles
TS1.19 1274.00 Cycles
TS1.20 1274.00 Cycles
TS1.21 1285.00 Cycles
TS1.22 1274.00 Cycles
TS1.23 1362.00 Cycles
TS1.24 1274.00 Cycles
TS1.25 1285.00 Cycles
TS1.26 1285.00 Cycles
TS1.27 1285.00 Cycles
TS1.28 1285.00 Cycles
TS1.29 1274.00 Cycles
TS1.30 1274.00 Cycles
TS1.31 1342.00 Cycles
TS1.32 1274.00 Cycles
TS1.33 1274.00 Cycles
"

Description Test Vector Description

TS1.1All min
TS1.2All max
TS1.3ADDCoef_MtrNmSpRad_T_f32 = min
TS1.4ADDCoef_MtrNmSpRad_T_f32 = max
TS1.5ADDCoef_MtrNmSpRad_T_f32 = pos
TS1.6VehicleSpeed2_Kph_T_f32 = min
TS1.7VehicleSpeed2_Kph_T_f32 = max
TS1.8VehicleSpeed2_Kph_T_f32 = pos
TS1.9WIRCmdAmpBlnd1_MtrNm_T_f32 = min
TS1.10WIRCmdAmpBlnd1_MtrNm_T_f32 = max
TS1.11WIRCmdAmpBlnd1_MtrNm_T_f32 = pos
TS1.12t_CmnVehSpd_Kph_u9p7[12] = min
TS1.13t_CmnVehSpd_Kph_u9p7[12] = max
TS1.14t_CmnVehSpd_Kph_u9p7[12] = pos
TS1.15t2_FDD_FreqTblyM1_Hz_u12p4[12] = min
TS1.16t2_FDD_FreqTblyM1_Hz_u12p4[12] = max
TS1.17t2_FDD_FreqTblyM1_Hz_u12p4[12] = pos
TS1.18t2_FDD_FreqTblyM2_Hz_u12p4[12] = min
TS1.19t2_FDD_FreqTblyM2_Hz_u12p4[12] = max
TS1.20t2_FDD_FreqTblyM2_Hz_u12p4[12] = pos
TS1.21t_WIRBlndTbIX_MtrNm_u8p8[5] = min
TS1.22t_WIRBlndTbIX_MtrNm_u8p8[5] = max
TS1.23t_WIRBlndTbIX_MtrNm_u8p8[5] = pos
TS1.24t_DmpFiltKpWIRBlndY_Uls_u2p14[5] = min
TS1.25t_DmpFiltKpWIRBlndY_Uls_u2p14[5] = max
TS1.26t_DmpFiltKpWIRBlndY_Uls_u2p14[5] = pos
TS1.27t_InrtCmp_ScaleFactorTbly_Uls_u9p7[12] = min
TS1.28t_InrtCmp_ScaleFactorTbly_Uls_u9p7[12] = max
TS1.29t_InrtCmp_ScaleFactorTbly_Uls_u9p7[12] = pos
TS1.30k_InrtCmp_MtrInertia_KgmSq_f32 = min
TS1.31k_InrtCmp_MtrInertia_KgmSq_f32 = max
TS1.32k_InrtCmp_MtrInertia_KgmSq_f32 = pos
TS1.33k_InrtCmp_MtrInertia_KgmSq_f32 = default

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0
VehicleSpeed_Kph_T_f32	0
WIRCmdAmpBlnd_MtrNm_T_f32	0
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	9.99999975e-006
t2_FDD_FreqTblyM_Hz_u12p4[0][0]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][1]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][2]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][3]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][4]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][5]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][6]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][7]	16
t2_FDD_FreqTblyM_Hz_u12p4[0][8]	16

TEST DETAILS REPORT

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FilterCoefCalc

Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	16		
t_CmnVehSpd_Kph_u9p7[0]	0		
t_CmnVehSpd_Kph_u9p7[1]	0		
t_CmnVehSpd_Kph_u9p7[2]	0		
t_CmnVehSpd_Kph_u9p7[3]	0		
t_CmnVehSpd_Kph_u9p7[4]	0		
t_CmnVehSpd_Kph_u9p7[5]	0		
t_CmnVehSpd_Kph_u9p7[6]	0		
t_CmnVehSpd_Kph_u9p7[7]	0		
t_CmnVehSpd_Kph_u9p7[8]	0		
t_CmnVehSpd_Kph_u9p7[9]	0		
t_CmnVehSpd_Kph_u9p7[10]	0		
t_CmnVehSpd_Kph_u9p7[11]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	0		
t_WIRBlndTbIX_MtrNm_u8p8[0]	0		
t_WIRBlndTbIX_MtrNm_u8p8[1]	0		
t_WIRBlndTbIX_MtrNm_u8p8[2]	0		
t_WIRBlndTbIX_MtrNm_u8p8[3]	0		
t_WIRBlndTbIX_MtrNm_u8p8[4]	0		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.94989252	3.94989252 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.99968433	-7.99968433 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.05042315	4.05042362 ± 0.000009	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
ADDCoef_MtrNmSpRad_T_f32	0.0413060002
VehicleSpeed_Kph_T_f32	511.992188
WIRCmdAmpBlnd_MtrNm_T_f32	8.80000019
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str
k_InrtCmp_MtrInertia_KgmSq_f32	0.000500000024
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	1600
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	1600

TEST DETAILS REPORT

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FilterCoefCalc



Name	Input Value		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	1600		
t_CmnVehSpd_Kph_u9p7[0]	32640		
t_CmnVehSpd_Kph_u9p7[1]	32640		
t_CmnVehSpd_Kph_u9p7[2]	32640		
t_CmnVehSpd_Kph_u9p7[3]	32640		
t_CmnVehSpd_Kph_u9p7[4]	32640		
t_CmnVehSpd_Kph_u9p7[5]	32640		
t_CmnVehSpd_Kph_u9p7[6]	32640		
t_CmnVehSpd_Kph_u9p7[7]	32640		
t_CmnVehSpd_Kph_u9p7[8]	32640		
t_CmnVehSpd_Kph_u9p7[9]	32640		
t_CmnVehSpd_Kph_u9p7[10]	32640		
t_CmnVehSpd_Kph_u9p7[11]	32640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	16384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	384		
t_WIRBlndTbIX_MtrNm_u8p8[0]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[1]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[2]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[3]	2048		
t_WIRBlndTbIX_MtrNm_u8p8[4]	2048		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-2.74156237	-2.74156213 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448002	0.330448002 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	2.41111422	2.41111398 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	0.552588403	0.552588463 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-4.8417263	-4.84172678 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	10.6056852	10.6056852 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.3 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0		
VehicleSpeed_Kph_T_f32		100.019997		
WIRCmdAmpBlnd_MtrNm_T_f32		2.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		1.99999995e-005		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		32		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		48		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		32		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		48		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		208		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		13		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		26		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		154		
t_WIRBlndTbIX_MtrNm_u8p8[0]		282		
t_WIRBlndTbIX_MtrNm_u8p8[1]		307		
t_WIRBlndTbIX_MtrNm_u8p8[2]		333		
t_WIRBlndTbIX_MtrNm_u8p8[3]		358		
t_WIRBlndTbIX_MtrNm_u8p8[4]		384		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00059381465	-0.000593814999 ± 0.0000000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0	0 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.00059381465	0.000593814999 ± 0.0000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.39635515	3.39635539 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.95065212	-7.95065212 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.65299273	4.65299273 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
ADDCoef_MtrNmSpRad_T_f32	0.0413060002		
VehicleSpeed_Kph_T_f32	200.059998		
WIRCmdAmpBlnd_MtrNm_T_f32	1.5		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32	2.99999992e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]	32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]	48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]	64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]	80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]	96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]	112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]	128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]	144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]	160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]	176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]	208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]	48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]	64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]	80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]	96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]	112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]	128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]	144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]	160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]	176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]	192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]	208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]	224		
t_CmnVehSpd_Kph_u9p7[0]	2560		
t_CmnVehSpd_Kph_u9p7[1]	3840		
t_CmnVehSpd_Kph_u9p7[2]	5120		
t_CmnVehSpd_Kph_u9p7[3]	6400		
t_CmnVehSpd_Kph_u9p7[4]	7680		
t_CmnVehSpd_Kph_u9p7[5]	8960		
t_CmnVehSpd_Kph_u9p7[6]	10240		
t_CmnVehSpd_Kph_u9p7[7]	11520		
t_CmnVehSpd_Kph_u9p7[8]	12800		
t_CmnVehSpd_Kph_u9p7[9]	14080		
t_CmnVehSpd_Kph_u9p7[10]	15360		
t_CmnVehSpd_Kph_u9p7[11]	16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]	26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]	38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]	51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]	64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]	77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]	90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]	102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]	115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]	128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]	141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]	154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]	166		
t_WIRBlndTbIX_MtrNm_u8p8[0]	538		
t_WIRBlndTbIX_MtrNm_u8p8[1]	563		
t_WIRBlndTbIX_MtrNm_u8p8[2]	589		
t_WIRBlndTbIX_MtrNm_u8p8[3]	614		
t_WIRBlndTbIX_MtrNm_u8p8[4]	640		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.170364141	-0.170364141 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.330448002	0.330448002 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.16008386	-0.16008386 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.36400986	3.36400986 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.94497013	-7.94497013 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.69101954	4.69102001 ± 0.0000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.5 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0199999996		
VehicleSpeed_Kph_T_f32		300.079987		
WIRCmdAmpBlnd_MtrNm_T_f32		0.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		3.9999999e-005		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		48		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		240		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		179		
t_WIRBlndTbIX_MtrNm_u8p8[0]		794		
t_WIRBlndTbIX_MtrNm_u8p8[1]		819		
t_WIRBlndTbIX_MtrNm_u8p8[2]		845		
t_WIRBlndTbIX_MtrNm_u8p8[3]		870		
t_WIRBlndTbIX_MtrNm_u8p8[4]		896		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0846711174	-0.0846711174 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.159999996	0.159999996 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0753288791	-0.0753288865 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.31349587	3.31349587 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.9354167	-7.9354167 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.75108767	4.75108767 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.6 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00100000005		
VehicleSpeed_Kph_T_f32		0		
WIRCmdAmpBlnd_MtrNm_T_f32		6.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		4.99999987e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		256		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		192		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1050		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1075		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1101		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1126		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1152		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.00400001789	-0.00400001789 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.00800000038	0.00800000038 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.00399998249	-0.00399998203 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.76236439	3.76236463 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.99272346	-7.99272346 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.24491215	4.24491215 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.7 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00200000009		
VehicleSpeed_Kph_T_f32		511.992188		
WIRCmdAmpBlnd_MtrNm_T_f32		5.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		5.99999985e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		272		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		205		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1306		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1331		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1357		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1382		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1408		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0128454715	-0.0128454706 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0160000008	0.0160000008 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.00315452972	-0.00315452903 ± 0.000000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.1956141	3.19561386 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.90979624	-7.90979624 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.89459038	4.8945899 ± 0.000009	✓

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.8 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.003000000003		
VehicleSpeed_Kph_T_f32		255.25		
WIRCmdAmpBlnd_MtrNm_T_f32		3.5999999		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		7.00000019e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		368		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		384		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		400		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		416		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		432		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		448		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		464		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		480		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		512		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		294		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1562		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1587		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1613		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1638		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1664		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.022498928	-0.0224989261 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0240000002	0.0240000002 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.00150107313	-0.00150107383 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.12415075	3.12415075 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.89191246	-7.89191246 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.98393726	4.98393679 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.9 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00400000019		
VehicleSpeed_Kph_T_f32		16.25		
WIRCmdAmpBlnd_MtrNm_T_f32		0		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		7.9999998e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		368		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		384		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		400		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		416		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		432		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		448		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		464		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		480		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		15488		
t_CmnVehSpd_Kph_u9p7[1]		15616		
t_CmnVehSpd_Kph_u9p7[2]		15744		
t_CmnVehSpd_Kph_u9p7[3]		15872		
t_CmnVehSpd_Kph_u9p7[4]		16000		
t_CmnVehSpd_Kph_u9p7[5]		16128		
t_CmnVehSpd_Kph_u9p7[6]		16256		
t_CmnVehSpd_Kph_u9p7[7]		16384		
t_CmnVehSpd_Kph_u9p7[8]		16512		
t_CmnVehSpd_Kph_u9p7[9]		16640		
t_CmnVehSpd_Kph_u9p7[10]		16768		
t_CmnVehSpd_Kph_u9p7[11]		16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		320		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1792		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1818		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1843		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1869		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0280437507	-0.0280437469 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0320000015	0.0320000015 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.00395625085	-0.00395625317 ± 0.000000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.84204841	2.84204865 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.8026042	-7.8026042 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.35534716	5.35534716 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.10 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00499999989		
VehicleSpeed_Kph_T_f32		32.2799988		
WIRCmdAmpBlnd_MtrNm_T_f32		8.80000019		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		9.00000014e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		832		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1328		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1344		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1360		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1376		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1472		
t_CmnVehSpd_Kph_u9p7[0]		10368		
t_CmnVehSpd_Kph_u9p7[1]		10496		
t_CmnVehSpd_Kph_u9p7[2]		10624		
t_CmnVehSpd_Kph_u9p7[3]		10752		
t_CmnVehSpd_Kph_u9p7[4]		10880		
t_CmnVehSpd_Kph_u9p7[5]		11008		
t_CmnVehSpd_Kph_u9p7[6]		11136		
t_CmnVehSpd_Kph_u9p7[7]		11264		
t_CmnVehSpd_Kph_u9p7[8]		11392		
t_CmnVehSpd_Kph_u9p7[9]		11520		
t_CmnVehSpd_Kph_u9p7[10]		11648		
t_CmnVehSpd_Kph_u9p7[11]		11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		282		
t_WIRBlndTbIX_MtrNm_u8p8[0]		410		
t_WIRBlndTbIX_MtrNm_u8p8[1]		435		
t_WIRBlndTbIX_MtrNm_u8p8[2]		461		
t_WIRBlndTbIX_MtrNm_u8p8[3]		486		
t_WIRBlndTbIX_MtrNm_u8p8[4]		512		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0954187065	-0.0954187065 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0399999991	0.0399999991 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0554187112	0.0554187074 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.28349459	1.28349483 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.49632454	-6.49632454 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.22018147	8.22018051 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.11 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00600000005		
VehicleSpeed_Kph_T_f32		48.5200005		
WIRCmdAmpBlnd_MtrNm_T_f32		5.5999999		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		9.99999975e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1328		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1344		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1360		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1376		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1472		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1136		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1152		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1168		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1184		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1200		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1216		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1232		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1248		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1264		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1280		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1312		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		307		
t_WIRBlndTbIX_MtrNm_u8p8[0]		666		
t_WIRBlndTbIX_MtrNm_u8p8[1]		691		
t_WIRBlndTbIX_MtrNm_u8p8[2]		717		
t_WIRBlndTbIX_MtrNm_u8p8[3]		742		
t_WIRBlndTbIX_MtrNm_u8p8[4]		768		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.246170521	-0.246170476 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0480000004	0.0480000004 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.198170513	0.198170483 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		0.976945579	0.976945698 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-5.9533534	-5.95335388 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		9.06970024	9.06970024 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.12 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00700000022		
VehicleSpeed_Kph_T_f32		64.9499969		
WIRCmdAmpBlnd_MtrNm_T_f32		1.10000002		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000110000001		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1136		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1152		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1168		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1184		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1200		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1216		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1232		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1248		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1264		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1280		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		352		
t_CmnVehSpd_Kph_u9p7[0]		0		
t_CmnVehSpd_Kph_u9p7[1]		0		
t_CmnVehSpd_Kph_u9p7[2]		0		
t_CmnVehSpd_Kph_u9p7[3]		0		
t_CmnVehSpd_Kph_u9p7[4]		0		
t_CmnVehSpd_Kph_u9p7[5]		0		
t_CmnVehSpd_Kph_u9p7[6]		0		
t_CmnVehSpd_Kph_u9p7[7]		0		
t_CmnVehSpd_Kph_u9p7[8]		0		
t_CmnVehSpd_Kph_u9p7[9]		0		
t_CmnVehSpd_Kph_u9p7[10]		0		
t_CmnVehSpd_Kph_u9p7[11]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		346		
t_WIRBlndTbIX_MtrNm_u8p8[0]		922		
t_WIRBlndTbIX_MtrNm_u8p8[1]		947		
t_WIRBlndTbIX_MtrNm_u8p8[2]		973		
t_WIRBlndTbIX_MtrNm_u8p8[3]		998		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1024		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.170547396	-0.170547381 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0560000017	0.0560000017 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.114547402	0.114547387 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.81319332	1.81319344 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.14600277	-7.14600277 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.04080439	7.04080343 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.13 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00800000038		
VehicleSpeed_Kph_T_f32		80.3499985		
WIRCmdAmpBlnd_MtrNm_T_f32		1.20000005		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000119999997		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		672		
t_CmnVehSpd_Kph_u9p7[0]		32640		
t_CmnVehSpd_Kph_u9p7[1]		32640		
t_CmnVehSpd_Kph_u9p7[2]		32640		
t_CmnVehSpd_Kph_u9p7[3]		32640		
t_CmnVehSpd_Kph_u9p7[4]		32640		
t_CmnVehSpd_Kph_u9p7[5]		32640		
t_CmnVehSpd_Kph_u9p7[6]		32640		
t_CmnVehSpd_Kph_u9p7[7]		32640		
t_CmnVehSpd_Kph_u9p7[8]		32640		
t_CmnVehSpd_Kph_u9p7[9]		32640		
t_CmnVehSpd_Kph_u9p7[10]		32640		
t_CmnVehSpd_Kph_u9p7[11]		32640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		346		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		358		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1280		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0392927453	-0.0392927453 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0640000003	0.0640000003 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0247072577	-0.0247072577 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.37325883	3.37325859 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.94662905	-7.94662905 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.68011236	4.68011236 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.14 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00899999961		
VehicleSpeed_Kph_T_f32		96.6200027		
WIRCmdAmpBlnd_MtrNm_T_f32		1.29999995		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00013		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		240		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		13		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		154		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1536		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0544182248	-0.0544182286 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0719999969	0.0719999969 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0175817721	-0.0175817721 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.50426316	2.5042634 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.6513648	-7.6513648 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.84437227	5.8443718 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.15 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.00999999978		
VehicleSpeed_Kph_T_f32		112.410004		
WIRCmdAmpBlnd_MtrNm_T_f32		1.39999998		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000140000004		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		256		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		26		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		166		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1690		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1715		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1741		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1792		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0412790775	-0.0412790813 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0799999982	0.0799999982 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0387209207	-0.0387209207 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.72832537	3.72832561 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.99044704	-7.99044704 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.28122759	4.28122759 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.16 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0109999999		
VehicleSpeed_Kph_T_f32		128.559998		
WIRCmdAmpBlnd_MtrNm_T_f32		1.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000150000007		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		272		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		38		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		179		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1894		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1920		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1946		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1971		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1997		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.199160993	-0.199160963 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0879999995	0.0879999995 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.111160994	0.111160956 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.34697342	1.34697354 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.59078789	-6.59078789 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.06223869	8.06223869 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.17 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0120000001		
VehicleSpeed_Kph_T_f32		144.520004		
WIRCmdAmpBlnd_MtrNm_T_f32		1.60000002		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000159999996		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		832		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		848		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		864		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		880		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		896		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		912		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		928		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		944		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		960		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		976		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		992		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		192		
t_WIRBlndTbIX_MtrNm_u8p8[0]		794		
t_WIRBlndTbIX_MtrNm_u8p8[1]		819		
t_WIRBlndTbIX_MtrNm_u8p8[2]		845		
t_WIRBlndTbIX_MtrNm_u8p8[3]		870		
t_WIRBlndTbIX_MtrNm_u8p8[4]		896		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.17973122	-0.17973122 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.0960000008	0.0960000008 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0837312266	0.0837312192 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64792883	1.64792907 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97387695	-6.97387695 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37819529	7.37819386 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.18 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0130000003		
VehicleSpeed_Kph_T_f32		160.630005		
WIRCmdAmpBlnd_MtrNm_T_f32		1.70000005		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000300000014		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		32		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		48		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		16		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		16		
t_CmnVehSpd_Kph_u9p7[0]		6784		
t_CmnVehSpd_Kph_u9p7[1]		6912		
t_CmnVehSpd_Kph_u9p7[2]		7040		
t_CmnVehSpd_Kph_u9p7[3]		7168		
t_CmnVehSpd_Kph_u9p7[4]		7296		
t_CmnVehSpd_Kph_u9p7[5]		7424		
t_CmnVehSpd_Kph_u9p7[6]		7552		
t_CmnVehSpd_Kph_u9p7[7]		7680		
t_CmnVehSpd_Kph_u9p7[8]		7808		
t_CmnVehSpd_Kph_u9p7[9]		7936		
t_CmnVehSpd_Kph_u9p7[10]		8064		
t_CmnVehSpd_Kph_u9p7[11]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		179		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		192		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		205		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1050		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1075		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1101		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1126		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1152		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0631598011	-0.0631598011 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.104000002	0.104000002 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0408402011	-0.0408402011 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.47085524	3.47085524 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.96247482	-7.96247482 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.56666946	4.56666946 ± 0.000009	✓

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.19 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0140000004		
VehicleSpeed_Kph_T_f32		176.850006		
WIRCmdAmpBlnd_MtrNm_T_f32		1.79999995		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000310000003		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		1600		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		1600		
t_CmnVehSpd_Kph_u9p7[0]		128		
t_CmnVehSpd_Kph_u9p7[1]		256		
t_CmnVehSpd_Kph_u9p7[2]		384		
t_CmnVehSpd_Kph_u9p7[3]		512		
t_CmnVehSpd_Kph_u9p7[4]		640		
t_CmnVehSpd_Kph_u9p7[5]		768		
t_CmnVehSpd_Kph_u9p7[6]		896		
t_CmnVehSpd_Kph_u9p7[7]		1024		
t_CmnVehSpd_Kph_u9p7[8]		1152		
t_CmnVehSpd_Kph_u9p7[9]		1280		
t_CmnVehSpd_Kph_u9p7[10]		1408		
t_CmnVehSpd_Kph_u9p7[11]		1536		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		294		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1306		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1331		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1357		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1382		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1408		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.173795044	-0.173795 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.112000003	0.112000003 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0617950335	0.0617950037 ± 0.00000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.61782336	2.6178236 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.70810461	-7.70810461 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.67407131	5.67407179 ± 0.000009	✓

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.20 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0149999997		
VehicleSpeed_Kph_T_f32		192.520004		
WIRCmdAmpBlnd_MtrNm_T_f32		1.89999998		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000319999992		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		48		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		179		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		192		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		205		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		218		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		230		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		243		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		256		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		269		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		282		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		294		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		307		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		320		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1562		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1587		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1613		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1638		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1664		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.155867472	-0.155867457 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.119999997	0.119999997 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0358674712	0.0358674601 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.82515574	2.82515597 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.79624844	-7.79624844 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.37859583	5.37859583 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.21 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0160000008		
VehicleSpeed_Kph_T_f32		208.119995		
WIRCmdAmpBlnd_MtrNm_T_f32		2.20000005		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00033000001		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		16		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		192		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		282		
t_WIRBlndTbIX_MtrNm_u8p8[0]		0		
t_WIRBlndTbIX_MtrNm_u8p8[1]		0		
t_WIRBlndTbIX_MtrNm_u8p8[2]		0		
t_WIRBlndTbIX_MtrNm_u8p8[3]		0		
t_WIRBlndTbIX_MtrNm_u8p8[4]		0		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0883268192	-0.0883268118 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.128000006	0.128000006 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0396731868	-0.0396731868 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.39172339	3.39172363 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.94985914	-7.94985914 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.65841722	4.65841722 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.22 (Repeat Count = 1)				✓
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0170000009		
VehicleSpeed_Kph_T_f32		224.009995		
WIRCmdAmpBlnd_MtrNm_T_f32		2.0999999		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000339999999		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		32		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		208		
t_CmnVehSpd_Kph_u9p7[0]		15488		
t_CmnVehSpd_Kph_u9p7[1]		15616		
t_CmnVehSpd_Kph_u9p7[2]		15744		
t_CmnVehSpd_Kph_u9p7[3]		15872		
t_CmnVehSpd_Kph_u9p7[4]		16000		
t_CmnVehSpd_Kph_u9p7[5]		16128		
t_CmnVehSpd_Kph_u9p7[6]		16256		
t_CmnVehSpd_Kph_u9p7[7]		16384		
t_CmnVehSpd_Kph_u9p7[8]		16512		
t_CmnVehSpd_Kph_u9p7[9]		16640		
t_CmnVehSpd_Kph_u9p7[10]		16768		
t_CmnVehSpd_Kph_u9p7[11]		16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		307		
t_WIRBlndTbIX_MtrNm_u8p8[0]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[1]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[2]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[3]		2048		
t_WIRBlndTbIX_MtrNm_u8p8[4]		2048		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.10374245	-0.10374245 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.136000007	0.136000007 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0322575532	-0.0322575495 ± 0.0000009	✓
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.30435205	3.30435181 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.93359709	-7.93359709 ± 0.000009	✓
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.76205063	4.76205063 ± 0.000009	✓

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.23 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0179999992		
VehicleSpeed_Kph_T_f32		240.020004		
WIRCmdAmpBlnd_MtrNm_T_f32		3.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000349999988		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		48		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		64		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		80		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		96		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		112		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		128		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		144		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		160		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		224		
t_CmnVehSpd_Kph_u9p7[0]		10368		
t_CmnVehSpd_Kph_u9p7[1]		10496		
t_CmnVehSpd_Kph_u9p7[2]		10624		
t_CmnVehSpd_Kph_u9p7[3]		10752		
t_CmnVehSpd_Kph_u9p7[4]		10880		
t_CmnVehSpd_Kph_u9p7[5]		11008		
t_CmnVehSpd_Kph_u9p7[6]		11136		
t_CmnVehSpd_Kph_u9p7[7]		11264		
t_CmnVehSpd_Kph_u9p7[8]		11392		
t_CmnVehSpd_Kph_u9p7[9]		11520		
t_CmnVehSpd_Kph_u9p7[10]		11648		
t_CmnVehSpd_Kph_u9p7[11]		11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		320		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		333		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		346		
t_WIRBlndTbIX_MtrNm_u8p8[0]		256		
t_WIRBlndTbIX_MtrNm_u8p8[1]		512		
t_WIRBlndTbIX_MtrNm_u8p8[2]		768		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1024		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1280		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.120654218	-0.120654218 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.143999994	0.143999994 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0233457759	-0.0233457815 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.25202346	3.25202346 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.922647	-7.922647 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.82532883	4.8253293 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.24 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0189999994		
VehicleSpeed_Kph_T_f32		256.049988		
WIRCmdAmpBlnd_MtrNm_T_f32		4.30000019		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000360000005		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		336		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		352		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		368		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		384		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		400		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		416		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		432		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		448		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		464		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		480		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		496		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		512		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		64		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		240		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		0		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		0		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		218		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		230		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		243		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		256		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		269		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		282		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		294		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		307		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		320		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		333		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		346		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		358		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1792		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1818		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1843		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1869		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.266277403	-0.266277373 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.151999995	0.151999995 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.114277415	0.114277385 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.55320787	2.55320811 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.67659283	-7.67659283 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		5.7701993	5.77019882 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.25 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.01999999996		
VehicleSpeed_Kph_T_f32		272.059998		
WIRCmdAmpBlnd_MtrNm_T_f32		5.0999999		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000369999994		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		656		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		672		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		688		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		704		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		720		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		736		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		752		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		768		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		784		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		800		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		816		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		832		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		80		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		240		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		256		
t_CmnVehSpd_Kph_u9p7[0]		3968		
t_CmnVehSpd_Kph_u9p7[1]		4096		
t_CmnVehSpd_Kph_u9p7[2]		4224		
t_CmnVehSpd_Kph_u9p7[3]		4352		
t_CmnVehSpd_Kph_u9p7[4]		4480		
t_CmnVehSpd_Kph_u9p7[5]		4608		
t_CmnVehSpd_Kph_u9p7[6]		4736		
t_CmnVehSpd_Kph_u9p7[7]		4864		
t_CmnVehSpd_Kph_u9p7[8]		4992		
t_CmnVehSpd_Kph_u9p7[9]		5120		
t_CmnVehSpd_Kph_u9p7[10]		5248		
t_CmnVehSpd_Kph_u9p7[11]		5376		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		16384		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		16384		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		13		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		26		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		154		
t_WIRBlndTbIX_MtrNm_u8p8[0]		410		
t_WIRBlndTbIX_MtrNm_u8p8[1]		435		
t_WIRBlndTbIX_MtrNm_u8p8[2]		461		
t_WIRBlndTbIX_MtrNm_u8p8[3]		486		
t_WIRBlndTbIX_MtrNm_u8p8[4]		512		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0996317267	-0.0996317267 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.1599999996	0.1599999996 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0603682697	-0.0603682697 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		3.23617816	3.23617816 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.91914797	-7.91914797 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		4.84467363	4.84467363 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.26 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0209999997		
VehicleSpeed_Kph_T_f32		288.079987		
WIRCmdAmpBlnd_MtrNm_T_f32		6.4000001		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000380000012		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		1296		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		1312		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		1328		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		1344		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		1360		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		1376		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		1392		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		1408		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		1424		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		1440		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		1456		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		1472		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		240		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		256		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		272		
t_CmnVehSpd_Kph_u9p7[0]		12800		
t_CmnVehSpd_Kph_u9p7[1]		12928		
t_CmnVehSpd_Kph_u9p7[2]		13056		
t_CmnVehSpd_Kph_u9p7[3]		13184		
t_CmnVehSpd_Kph_u9p7[4]		13312		
t_CmnVehSpd_Kph_u9p7[5]		13440		
t_CmnVehSpd_Kph_u9p7[6]		13568		
t_CmnVehSpd_Kph_u9p7[7]		13696		
t_CmnVehSpd_Kph_u9p7[8]		13824		
t_CmnVehSpd_Kph_u9p7[9]		13952		
t_CmnVehSpd_Kph_u9p7[10]		14080		
t_CmnVehSpd_Kph_u9p7[11]		14208		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		26		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		166		
t_WIRBlndTbIX_MtrNm_u8p8[0]		666		
t_WIRBlndTbIX_MtrNm_u8p8[1]		691		
t_WIRBlndTbIX_MtrNm_u8p8[2]		717		
t_WIRBlndTbIX_MtrNm_u8p8[3]		742		
t_WIRBlndTbIX_MtrNm_u8p8[4]		768		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.211607069	-0.211607069 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.167999998	0.167999998 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.0436070785	0.0436070636 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.26093268	2.26093292 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.50725317	-7.50725317 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.23181343	6.23181391 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.27 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0219999999		
VehicleSpeed_Kph_T_f32		304.089996		
WIRCmdAmpBlnd_MtrNm_T_f32		7.09999999		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.0003900000001		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1136		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1152		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1168		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1184		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1200		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1216		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1232		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1248		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1264		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1280		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1296		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1312		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		368		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		384		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		400		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		416		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		432		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		448		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		464		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		480		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		512		
t_CmnVehSpd_Kph_u9p7[0]		15488		
t_CmnVehSpd_Kph_u9p7[1]		15616		
t_CmnVehSpd_Kph_u9p7[2]		15744		
t_CmnVehSpd_Kph_u9p7[3]		15872		
t_CmnVehSpd_Kph_u9p7[4]		16000		
t_CmnVehSpd_Kph_u9p7[5]		16128		
t_CmnVehSpd_Kph_u9p7[6]		16256		
t_CmnVehSpd_Kph_u9p7[7]		16384		
t_CmnVehSpd_Kph_u9p7[8]		16512		
t_CmnVehSpd_Kph_u9p7[9]		16640		
t_CmnVehSpd_Kph_u9p7[10]		16768		
t_CmnVehSpd_Kph_u9p7[11]		16896		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		1638		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		8192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		0		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		0		
t_WIRBlndTbIX_MtrNm_u8p8[0]		922		
t_WIRBlndTbIX_MtrNm_u8p8[1]		947		
t_WIRBlndTbIX_MtrNm_u8p8[2]		973		
t_WIRBlndTbIX_MtrNm_u8p8[3]		998		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1024		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.0564835407	-0.0564835444 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.1759999999	0.175999999 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.119516462	-0.119516455 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64792883	1.64792907 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97387695	-6.97387695 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37819529	7.37819386 ± 0.00000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.28 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.023		
VehicleSpeed_Kph_T_f32		320.070007		
WIRCmdAmpBlnd_MtrNm_T_f32		8.19999981		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.00039999999		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		352		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		688		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		704		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		720		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		736		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		752		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		768		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		784		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		800		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		816		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		832		
t_CmnVehSpd_Kph_u9p7[0]		10368		
t_CmnVehSpd_Kph_u9p7[1]		10496		
t_CmnVehSpd_Kph_u9p7[2]		10624		
t_CmnVehSpd_Kph_u9p7[3]		10752		
t_CmnVehSpd_Kph_u9p7[4]		10880		
t_CmnVehSpd_Kph_u9p7[5]		11008		
t_CmnVehSpd_Kph_u9p7[6]		11136		
t_CmnVehSpd_Kph_u9p7[7]		11264		
t_CmnVehSpd_Kph_u9p7[8]		11392		
t_CmnVehSpd_Kph_u9p7[9]		11520		
t_CmnVehSpd_Kph_u9p7[10]		11648		
t_CmnVehSpd_Kph_u9p7[11]		11776		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		384		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		384		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1178		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1203		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1229		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1254		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1280		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.44143194	-0.44143188 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.184	0.184 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.257431924	0.257431895 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.24206972	2.2420702 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.49469471	-7.49469471 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.26323557	6.26323509 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.29 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0240000002		
VehicleSpeed_Kph_T_f32		336.059998		
WIRCmdAmpBlnd_MtrNm_T_f32		4.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000410000008		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		1296		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		1312		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		1328		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		1344		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		1360		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		1376		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		1392		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		1408		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		1424		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		1440		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		1456		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		1472		
t_CmnVehSpd_Kph_u9p7[0]		5248		
t_CmnVehSpd_Kph_u9p7[1]		5376		
t_CmnVehSpd_Kph_u9p7[2]		5504		
t_CmnVehSpd_Kph_u9p7[3]		5632		
t_CmnVehSpd_Kph_u9p7[4]		5760		
t_CmnVehSpd_Kph_u9p7[5]		5888		
t_CmnVehSpd_Kph_u9p7[6]		6016		
t_CmnVehSpd_Kph_u9p7[7]		6144		
t_CmnVehSpd_Kph_u9p7[8]		6272		
t_CmnVehSpd_Kph_u9p7[9]		6400		
t_CmnVehSpd_Kph_u9p7[10]		6528		
t_CmnVehSpd_Kph_u9p7[11]		6656		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		11469		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		179		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		192		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		205		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		218		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		230		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		243		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		256		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		269		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		282		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		294		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		307		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1434		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1459		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1485		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1510		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1536		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.64859736	-0.6485973 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.192000002	0.192000002 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.456597328	0.456597298 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.64794874	1.64794874 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.97389889	-6.97389889 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.37815237	7.37815237 ± 0.0000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.30 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0250000004		
VehicleSpeed_Kph_T_f32		352.049988		
WIRCmdAmpBlnd_MtrNm_T_f32		4.9000001		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		9.99999975e-006		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]		816		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]		832		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]		848		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]		864		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]		880		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]		896		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]		912		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]		928		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]		944		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]		960		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]		976		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]		992		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]		1136		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]		1152		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]		1168		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]		1184		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]		1200		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]		1216		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]		1232		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]		1248		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]		1264		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]		1280		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]		1296		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]		1312		
t_CmnVehSpd_Kph_u9p7[0]		3968		
t_CmnVehSpd_Kph_u9p7[1]		4096		
t_CmnVehSpd_Kph_u9p7[2]		4224		
t_CmnVehSpd_Kph_u9p7[3]		4352		
t_CmnVehSpd_Kph_u9p7[4]		4480		
t_CmnVehSpd_Kph_u9p7[5]		4608		
t_CmnVehSpd_Kph_u9p7[6]		4736		
t_CmnVehSpd_Kph_u9p7[7]		4864		
t_CmnVehSpd_Kph_u9p7[8]		4992		
t_CmnVehSpd_Kph_u9p7[9]		5120		
t_CmnVehSpd_Kph_u9p7[10]		5248		
t_CmnVehSpd_Kph_u9p7[11]		5376		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		13107		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]		38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]		51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]		64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]		77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]		90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]		102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]		115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]		128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]		141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]		154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]		166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]		179		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1690		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1715		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1741		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1766		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1792		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.12834549	-0.128345475 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.200000003	0.200000003 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0716545135	-0.0716545284 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.25517929	1.25517941 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-6.45242405	-6.45242453 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		8.29239559	8.29239655 ± 0.000009	✔

TEST DETAILS REPORT

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.31 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0260000005		
VehicleSpeed_Kph_T_f32		368.01001		
WIRCmdAmpBlnd_MtrNm_T_f32		7.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		0.000500000024		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		1392		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		1408		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		1424		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		1440		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		1456		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		1472		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		1488		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		1504		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		1520		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		1536		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		1552		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		1568		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		176		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		192		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		208		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		224		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		240		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		256		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		272		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		288		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		304		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		320		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		336		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		352		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		11469		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		13107		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		14746		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		51		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		64		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		77		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		90		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		102		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		115		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		128		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		141		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		154		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		166		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		192		
t_WIRBlndTbIX_MtrNm_u8p8[0]		1894		
t_WIRBlndTbIX_MtrNm_u8p8[1]		1920		
t_WIRBlndTbIX_MtrNm_u8p8[2]		1946		
t_WIRBlndTbIX_MtrNm_u8p8[3]		1971		
t_WIRBlndTbIX_MtrNm_u8p8[4]		1997		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.44634214	-0.446342081 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.208000004	0.208000004 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		0.238342136	0.238342077 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		1.7996192	1.7996192 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.13275242	-7.13275242 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		7.06762838	7.06762838 ± 0.0000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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FilterCoefCalc



Test Step 1.32 (Repeat Count = 1)				✔
Name		Input Value		
ADDCoef_MtrNmSpRad_T_f32		0.0270000007		
VehicleSpeed_Kph_T_f32		384.019989		
WIRCmdAmpBlnd_MtrNm_T_f32		2.5		
filtCoef_Uls_T_Str		tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32		2.99999992e-005		
t2_FDD_FreqTbIYM_Hz_u12p4[0][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[0][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[0][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[0][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[0][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[0][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[0][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[0][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[0][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[0][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[0][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[0][11]		672		
t2_FDD_FreqTbIYM_Hz_u12p4[1][0]		496		
t2_FDD_FreqTbIYM_Hz_u12p4[1][1]		512		
t2_FDD_FreqTbIYM_Hz_u12p4[1][2]		528		
t2_FDD_FreqTbIYM_Hz_u12p4[1][3]		544		
t2_FDD_FreqTbIYM_Hz_u12p4[1][4]		560		
t2_FDD_FreqTbIYM_Hz_u12p4[1][5]		576		
t2_FDD_FreqTbIYM_Hz_u12p4[1][6]		592		
t2_FDD_FreqTbIYM_Hz_u12p4[1][7]		608		
t2_FDD_FreqTbIYM_Hz_u12p4[1][8]		624		
t2_FDD_FreqTbIYM_Hz_u12p4[1][9]		640		
t2_FDD_FreqTbIYM_Hz_u12p4[1][10]		656		
t2_FDD_FreqTbIYM_Hz_u12p4[1][11]		672		
t_CmnVehSpd_Kph_u9p7[0]		2560		
t_CmnVehSpd_Kph_u9p7[1]		3840		
t_CmnVehSpd_Kph_u9p7[2]		5120		
t_CmnVehSpd_Kph_u9p7[3]		6400		
t_CmnVehSpd_Kph_u9p7[4]		7680		
t_CmnVehSpd_Kph_u9p7[5]		8960		
t_CmnVehSpd_Kph_u9p7[6]		10240		
t_CmnVehSpd_Kph_u9p7[7]		11520		
t_CmnVehSpd_Kph_u9p7[8]		12800		
t_CmnVehSpd_Kph_u9p7[9]		14080		
t_CmnVehSpd_Kph_u9p7[10]		15360		
t_CmnVehSpd_Kph_u9p7[11]		16640		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]		3277		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]		4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]		6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]		8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]		9830		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[0]		179		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[1]		192		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[2]		205		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[3]		218		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[4]		230		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[5]		243		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[6]		256		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[7]		269		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[8]		282		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[9]		294		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[10]		307		
t_InrtCmp_ScaleFactorTbIY_Uls_u9p7[11]		320		
t_WIRBlndTbIX_MtrNm_u8p8[0]		794		
t_WIRBlndTbIX_MtrNm_u8p8[1]		819		
t_WIRBlndTbIX_MtrNm_u8p8[2]		845		
t_WIRBlndTbIX_MtrNm_u8p8[3]		870		
t_WIRBlndTbIX_MtrNm_u8p8[4]		896		
Name		Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32		-0.1716436	-0.171643585 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32		0.216000006	0.216000006 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32		-0.0443564057	-0.0443564169 ± 0.0000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32		2.16740918	2.16740942 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32		-7.44288063	-7.44288063 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32		6.38971043	6.38970995 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

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FilterCoefCalc



Test Step 1.33 (Repeat Count = 1)



Name	Input Value		
ADDCoef_MtrNmSpRad_T_f32	0.0199999996		
VehicleSpeed_Kph_T_f32	300.079987		
WIRCmdAmpBlnd_MtrNm_T_f32	0.5		
filtCoef_Uls_T_Str	tgt_filtCoef_Uls_T_Str		
k_InrtCmp_MtrInertia_KgmSq_f32	3.9999999e-005		
t2_FDD_FreqTbLYM_Hz_u12p4[0][0]	48		
t2_FDD_FreqTbLYM_Hz_u12p4[0][1]	64		
t2_FDD_FreqTbLYM_Hz_u12p4[0][2]	80		
t2_FDD_FreqTbLYM_Hz_u12p4[0][3]	96		
t2_FDD_FreqTbLYM_Hz_u12p4[0][4]	112		
t2_FDD_FreqTbLYM_Hz_u12p4[0][5]	128		
t2_FDD_FreqTbLYM_Hz_u12p4[0][6]	144		
t2_FDD_FreqTbLYM_Hz_u12p4[0][7]	160		
t2_FDD_FreqTbLYM_Hz_u12p4[0][8]	176		
t2_FDD_FreqTbLYM_Hz_u12p4[0][9]	192		
t2_FDD_FreqTbLYM_Hz_u12p4[0][10]	208		
t2_FDD_FreqTbLYM_Hz_u12p4[0][11]	224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][0]	64		
t2_FDD_FreqTbLYM_Hz_u12p4[1][1]	80		
t2_FDD_FreqTbLYM_Hz_u12p4[1][2]	96		
t2_FDD_FreqTbLYM_Hz_u12p4[1][3]	112		
t2_FDD_FreqTbLYM_Hz_u12p4[1][4]	128		
t2_FDD_FreqTbLYM_Hz_u12p4[1][5]	144		
t2_FDD_FreqTbLYM_Hz_u12p4[1][6]	160		
t2_FDD_FreqTbLYM_Hz_u12p4[1][7]	176		
t2_FDD_FreqTbLYM_Hz_u12p4[1][8]	192		
t2_FDD_FreqTbLYM_Hz_u12p4[1][9]	208		
t2_FDD_FreqTbLYM_Hz_u12p4[1][10]	224		
t2_FDD_FreqTbLYM_Hz_u12p4[1][11]	240		
t_CmnVehSpd_Kph_u9p7[0]	6784		
t_CmnVehSpd_Kph_u9p7[1]	6912		
t_CmnVehSpd_Kph_u9p7[2]	7040		
t_CmnVehSpd_Kph_u9p7[3]	7168		
t_CmnVehSpd_Kph_u9p7[4]	7296		
t_CmnVehSpd_Kph_u9p7[5]	7424		
t_CmnVehSpd_Kph_u9p7[6]	7552		
t_CmnVehSpd_Kph_u9p7[7]	7680		
t_CmnVehSpd_Kph_u9p7[8]	7808		
t_CmnVehSpd_Kph_u9p7[9]	7936		
t_CmnVehSpd_Kph_u9p7[10]	8064		
t_CmnVehSpd_Kph_u9p7[11]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[0]	4915		
t_DmpFiltKpWIRBlndY_Uls_u2p14[1]	6554		
t_DmpFiltKpWIRBlndY_Uls_u2p14[2]	8192		
t_DmpFiltKpWIRBlndY_Uls_u2p14[3]	9830		
t_DmpFiltKpWIRBlndY_Uls_u2p14[4]	11469		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[0]	38		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[1]	51		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[2]	64		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[3]	77		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[4]	90		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[5]	102		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[6]	115		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[7]	128		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[8]	141		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[9]	154		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[10]	166		
t_InrtCmp_ScaleFactorTbLY_Uls_u9p7[11]	179		
t_WIRBlndTbIX_MtrNm_u8p8[0]	794		
t_WIRBlndTbIX_MtrNm_u8p8[1]	819		
t_WIRBlndTbIX_MtrNm_u8p8[2]	845		
t_WIRBlndTbIX_MtrNm_u8p8[3]	870		
t_WIRBlndTbIX_MtrNm_u8p8[4]	896		
Name	Actual Value	Expected Value	Result
tgt_filtCoef_Uls_T_Str.b0_Uls_f32	-0.0846711174	-0.0846711174 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b1_Uls_f32	0.159999996	0.159999996 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.b2_Uls_f32	-0.0753288791	-0.0753288865 ± 0.00000009	✔
tgt_filtCoef_Uls_T_Str.a0_Uls_f32	3.31349587	3.31349587 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a1_Uls_f32	-7.9354167	-7.9354167 ± 0.000009	✔
tgt_filtCoef_Uls_T_Str.a2_Uls_f32	4.75108767	4.75108767 ± 0.000009	✔

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FilterCoefCalc



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	4	IntplVarXY_u16_u16Xu16Y_Cnt	4	✓

TEST DETAILS REPORT

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DecelGain



Project	9BXX_FrqDepDmpnInrtCmp
Module	FDD_Inertia
Test Object	DecelGain

Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

TEST DETAILS REPORT

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DecelGain



Module Properties

Project Root Directory	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp
Configuration File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\FrqDepDmpnInrtCmp\src\Ap_FrqDepDmpnInrtCmp.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -DBC_FREQDEPDAMPING_FAULTINJECTIONPOINT=STD_OFF -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract -\$(PROJECTROOT)\FrqDepDmpnInrtCmp\utp\contract\Ap_FrqDepDmpnInrtCmp -\$(PROJECTROOT)\NxrLib\include -\$(PROJECTROOT)\StdDef\include -\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification

Name	Text
Module 'FDD_Inertia'	<p>*****Unit Test Description*****</p> <p>Name of Tester:Jayesh Jahagirdar Code File(s) Under Test:Ap_FrqDepDmpnInrtCmp.c Code File(s) Version:13 Module Design Document:Frequency_Dependent_Damping_And_Inertia_Compensation_MDD.doc Module Design Document Version:18 Data Dictionary Version:17 Unit Test Plan Version:7 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):1994 Total RAM Used (Bytes):60 Total CALS Used (Bytes):328 Special Test Requirements: Test Date:10/26/2014 Comments:"Note 1:Inline Function defined in ""globalmacro.h"" are not unit tested.</p> <p>Note 2:""CBD_Sandbox_dbg.map"" file is embedded for reference.</p> <p>Note 3:In ""DriverVelCalc"" function,difference between TbarAngle and PrevTbarAngle cannot be more than 0.013334 since this function is run in 2ms period so Max value for ""PrevTbarAng_HwDeg_M_f32"" variable is given as 1.013334 in All Max Vector and also in All Max Vector of ""FrqDepDmpnInrtCmp_Per1"" function.</p> <p>Note 4:In ""ADDCoefCalc"" function,return value is going out of range due to conversion happening in the function.</p> <p>Note 5:In ""FilterCoefCalc"" function,the Range of the Structure Variable ""filtCoef_Uls_T_Str.b0_Uls_f32"" is calculated as -2.74156205240179 to 0 and ""filtCoef_Uls_T_Str.b1_Uls_f32"" is calculated as -0.160083862455113 to 2.41111405240179 and the same is updated in MDD version 16.</p> <p>Note 6:In ""GenFddlcCmd"" function, return value and output variable ""Prev1PreAttnComp_MtrNm_M_f32"" are going out of range.And as there is call to this function in ""FrqDepDmpnInrtCmp_Per1"" so here also output variable ""Prev1PreAttnComp_MtrNm_M_f32"" is going out of range.</p> <p>Note 7:The range of the parameter ""VehicleSpeed_Kph_T_f32"" is mentioned in MDD as 0 to 512, but at line number 437, FPM_FloatToFixed_m macro is used for U9P7_T, For All Max vector of parameter ""VehicleSpeed_Kph_T_f32"", the value is going out of range, so its range is considered as "" 0 to 511.9921875"" considering data type u9P7 as per email communication.</p> <p>Note 8: Six significant tolerance is used in the functions ""ADDCoefCalc"", ""DecelGain"", ""DriverVelCalc"", ""FilterCoefCalc"", ""GenFddlcCmd"" for the return values and in function ""FrqDepDmpnInrtCmp_Per1"" for the variable ""Prev1PreAttnComp_MtrNm_M_f32"".</p> <p>*****</p>

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\9BXX_FrqDepDmpnInrtCmp\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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DecelGain



Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS1.1 320.00 Cycles TS1.2 343.00 Cycles
Description	Test Vector Description: TS1.1 "Shortest Execution Path: (-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32)=True (RawDecelGain_Uls_T_f32>=(D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32)=True" TS1.2 "Longest Execution Path: (-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32)=False (-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=False (RawDecelGain_Uls_T_f32>=(D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32)=False (RawDecelGain_Uls_T_f32<=(D_2MS_SEC_F32 * -k_DmpDecelGainFSlew_UlspS_f32)+ PreDecelGain_Uls_M_f32)=False"

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	-1118			
PreDecelGain_Uls_M_f32	1			
VehicleLonAccel_KphpS_T_f32	-10			
k_DmpDecelGainFSlew_UlspS_f32	1			
k_DmpDecelGain_Uls_f32	2			
k_DmpGainOffThresh_KphpS_f32	0			
k_DmpGainOnThresh_KphpS_f32	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8			
Name	Actual Value	Expected Value	Result	
DecelGain()	1.00199997	1.00199997 ± 0.000009	✓	
PreDecelGain_Uls_M_f32	1.00199997	1.00199997 ± 0.0625	✓	

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
CRFMotorVel_MtrRadpS_T_f32	500.679993			
PreDecelGain_Uls_M_f32	127118.836			
VehicleLonAccel_KphpS_T_f32	-3.0999999			
k_DmpDecelGainFSlew_UlspS_f32	1700.02002			
k_DmpDecelGain_Uls_f32	2.0999999			
k_DmpGainOffThresh_KphpS_f32	0			
k_DmpGainOnThresh_KphpS_f32	44.4500008			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320			
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352			
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448			
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456			
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464			
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472			
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480			
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488			
Name	Actual Value	Expected Value	Result	
DecelGain()	127118.836	127118.836 ± 0.9	✓	

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DecelGain

Name	Actual Value	Expected Value	Result
PreDecelGain_Uls_M_f32	127118.836	127118.836 ± 0.0625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain



Test Case 2: Boundary Test

Specification "Performance Metrics (With ""None"" Instrumentation and ""WithPS"" Environment)

CPU Cycles:

TS2.1 328.00 Cycles
TS2.2 334.00 Cycles
TS2.3 326.00 Cycles
TS2.4 345.00 Cycles
TS2.5 334.00 Cycles
TS2.6 344.00 Cycles
TS2.7 344.00 Cycles
TS2.8 337.00 Cycles
TS2.9 337.00 Cycles
TS2.10 326.00 Cycles
TS2.11 326.00 Cycles
TS2.12 326.00 Cycles
TS2.13 334.00 Cycles
TS2.14 344.00 Cycles
TS2.15 344.00 Cycles
TS2.16 344.00 Cycles
TS2.17 345.00 Cycles
TS2.18 345.00 Cycles
TS2.19 345.00 Cycles
TS2.20 345.00 Cycles
TS2.21 342.00 Cycles
TS2.22 345.00 Cycles
TS2.23 345.00 Cycles
TS2.24 345.00 Cycles
TS2.25 325.00 Cycles
TS2.26 334.00 Cycles
TS2.27 345.00 Cycles
TS2.28 345.00 Cycles
TS2.29 334.00 Cycles
TS2.30 345.00 Cycles
TS2.31 345.00 Cycles
TS2.32 345.00 Cycles
TS2.33 345.00 Cycles
TS2.34 345.00 Cycles
TS2.35 345.00 Cycles
TS2.36 334.00 Cycles
"

Description Test Vector Description:

TS2.1All min
TS2.2All max
TS2.3VehicleLonAccel_KphpS_T_f32 = min
TS2.4VehicleLonAccel_KphpS_T_f32 = max
TS2.5VehicleLonAccel_KphpS_T_f32 = zero
TS2.6VehicleLonAccel_KphpS_T_f32 = pos
TS2.7VehicleLonAccel_KphpS_T_f32 = neg
TS2.8CRFMotorVel1_MtrRadpS_T_f32 = min
TS2.9CRFMotorVel1_MtrRadpS_T_f32 = max
TS2.10CRFMotorVel1_MtrRadpS_T_f32 = zero
TS2.11CRFMotorVel1_MtrRadpS_T_f32 = pos
TS2.12CRFMotorVel1_MtrRadpS_T_f32 = neg
TS2.13k_DmpGainOnThresh_KphpS_f32 = min
TS2.14k_DmpGainOnThresh_KphpS_f32 = max
TS2.15k_DmpGainOnThresh_KphpS_f32 = pos
TS2.16k_DmpGainOnThresh_KphpS_f32 = default
TS2.17k_DmpDecelGain_Uls_f32 = min
TS2.18k_DmpDecelGain_Uls_f32 = max
TS2.19k_DmpDecelGain_Uls_f32 = pos
TS2.20k_DmpDecelGain_Uls_f32 = default
TS2.21k_DmpGainOffThresh_KphpS_f32 = min
TS2.22k_DmpGainOffThresh_KphpS_f32 = max
TS2.23k_DmpGainOffThresh_KphpS_f32 = pos
TS2.24k_DmpGainOffThresh_KphpS_f32 = default
TS2.25PreDecelGain_Uls_M_f32 = min
TS2.26PreDecelGain_Uls_M_f32 = max
TS2.27PreDecelGain_Uls_M_f32 = pos
TS2.28t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = min
TS2.29t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = max
TS2.30t_DmpDecelGainSlewX_MtrRadpS_u11p5[6] = pos
TS2.31t_DmpDecelGainSlewY_UlspS_u13p3[6] = min
TS2.32t_DmpDecelGainSlewY_UlspS_u13p3[6] = max
TS2.33t_DmpDecelGainSlewY_UlspS_u13p3[6] = pos
TS2.34k_DmpDecelGainFSlew_UlspS_f32 = min
TS2.35k_DmpDecelGainFSlew_UlspS_f32 = max/default
TS2.36k_DmpDecelGainFSlew_UlspS_f32 = pos

Test Step 2.1 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-1118
PreDecelGain_Uls_M_f32	1
VehicleLonAccel_KphpS_T_f32	-10
k_DmpDecelGainFSlew_UlspS_f32	1
k_DmpDecelGain_Uls_f32	1
k_DmpGainOffThresh_KphpS_f32	0
k_DmpGainOnThresh_KphpS_f32	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8		
Name	Actual Value	Expected Value	Result
DecelGain()	1	1 ± 0.000009	✓
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.2 (Repeat Count = 1)				
Name		Input Value		
CRFMotorVel_MtrRadpS_T_f32		1118		
PreDecelGain_Uls_M_f32		4.2949673e+009		
VehicleLonAccel_KphpS_T_f32		10		
k_DmpDecelGainFSlew_UlspS_f32		4500		
k_DmpDecelGain_Uls_f32		10		
k_DmpGainOffThresh_KphpS_f32		50		
k_DmpGainOnThresh_KphpS_f32		50		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]		35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]		35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]		35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]		35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]		35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]		35776		
t_DmpDecelGainSlewY_UlspS_u13p3[0]		4000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]		4000		
t_DmpDecelGainSlewY_UlspS_u13p3[2]		4000		
t_DmpDecelGainSlewY_UlspS_u13p3[3]		4000		
t_DmpDecelGainSlewY_UlspS_u13p3[4]		4000		
t_DmpDecelGainSlewY_UlspS_u13p3[5]		4000		
Name	Actual Value	Expected Value	Result	
DecelGain()	4.2949673e+009	4.2949673e+009 ± 9999	✓	
PreDecelGain_Uls_M_f32	4.2949673e+009	4.2949673e+009 ± 0.0625	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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DecelGain

Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.019997		
PreDecelGain_Uls_M_f32	125487.234		
VehicleLonAccel_KphpS_T_f32	-10		
k_DmpDecelGainFSlew_UlspS_f32	100.019997		
k_DmpDecelGain_Uls_f32	2.0999999		
k_DmpGainOffThresh_KphpS_f32	11.5		
k_DmpGainOnThresh_KphpS_f32	5.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448		
Name	Actual Value	Expected Value	Result
DecelGain()	125487.031	125487.031 ± 0.9	✔
PreDecelGain_Uls_M_f32	125487.031	125487.031 ± 0.0625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	200.029999		
PreDecelGain_Uls_M_f32	125589.211		
VehicleLonAccel_KphpS_T_f32	10		
k_DmpDecelGainFSlew_UlspS_f32	200.050003		
k_DmpDecelGain_Uls_f32	3.5		
k_DmpGainOffThresh_KphpS_f32	22.25		
k_DmpGainOnThresh_KphpS_f32	10.1199999		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	125588.813	125588.813 ± 0.9	✔
PreDecelGain_Uls_M_f32	125588.813	125588.813 ± 0.0625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	-100.040001
PreDecelGain_Uls_M_f32	125691.188
VehicleLonAccel_KphpS_T_f32	0
k_DmpDecelGainFSlew_UlspS_f32	300.059998
k_DmpDecelGain_Uls_f32	4.19999981
k_DmpGainOffThresh_KphpS_f32	33.3499985

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DecelGain

Name	Input Value		
k_DmpGainOnThresh_KphpS_f32	15.3199997		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	125690.586	125690.586 ± 0.9	✔
PreDecelGain_Uls_M_f32	125690.586	125690.586 ± 0.0625	✔

Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-200.050003		
PreDecelGain_Uls_M_f32	125793.156		
VehicleLonAccel_KphpS_T_f32	5.30000019		
k_DmpDecelGainFSlew_UlspS_f32	400.040009		
k_DmpDecelGain_Uls_f32	6.0999999		
k_DmpGainOffThresh_KphpS_f32	44.4500008		
k_DmpGainOnThresh_KphpS_f32	20.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248		
Name	Actual Value	Expected Value	Result
DecelGain()	125792.359	125792.359 ± 0.9	✔
PreDecelGain_Uls_M_f32	125792.359	125792.359 ± 0.0625	✔

Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	300.019989		
PreDecelGain_Uls_M_f32	125895.133		
VehicleLonAccel_KphpS_T_f32	-5.4000001		
k_DmpDecelGainFSlew_UlspS_f32	500.019989		
k_DmpDecelGain_Uls_f32	5.19999981		
k_DmpGainOffThresh_KphpS_f32	8.21000004		
k_DmpGainOnThresh_KphpS_f32	25.1200008		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648		
Name	Actual Value	Expected Value	Result
DecelGain()	125894.133	125894.133 ± 0.9	✓
PreDecelGain_Uls_M_f32	125894.133	125894.133 ± 0.0625	✓

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DecelGain



Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-1118		
PreDecelGain_Uls_M_f32	125997.109		
VehicleLonAccel_KphpS_T_f32	-2.20000005		
k_DmpDecelGainFSlew_UlspS_f32	600.039978		
k_DmpDecelGain_Uls_f32	7.80000019		
k_DmpGainOffThresh_KphpS_f32	16.6200008		
k_DmpGainOnThresh_KphpS_f32	1.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	125995.906	125995.906 ± 0.9	✓
PreDecelGain_Uls_M_f32	125995.906	125995.906 ± 0.0625	✓

Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	1118		
PreDecelGain_Uls_M_f32	126099.086		
VehicleLonAccel_KphpS_T_f32	-3.29999995		
k_DmpDecelGainFSlew_UlspS_f32	700.030029		
k_DmpDecelGain_Uls_f32	8.69999981		
k_DmpGainOffThresh_KphpS_f32	24.2099991		
k_DmpGainOnThresh_KphpS_f32	2.57999992		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	126097.688	126097.688 ± 0.9	✓
PreDecelGain_Uls_M_f32	126097.688	126097.688 ± 0.0625	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	0
PreDecelGain_Uls_M_f32	126201.063
VehicleLonAccel_KphpS_T_f32	-4.0999999
k_DmpDecelGainFSlew_UlspS_f32	800.039978
k_DmpDecelGain_Uls_f32	9.19999981
k_DmpGainOffThresh_KphpS_f32	11.21
k_DmpGainOnThresh_KphpS_f32	3.21000004
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616

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DecelGain

Name	Input Value	Expected Value	Result
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648		
DecelGain()	126199.461	126199.461 ± 0.9	✓
PreDecelGain_Uls_M_f32	126199.461	126199.461 ± 0.0625	✓

Test Step 2.11 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	100.5		
PreDecelGain_Uls_M_f32	126303.031		
VehicleLonAccel_KphpS_T_f32	-5.5999999		
k_DmpDecelGainFSlew_UlspS_f32	900.02002		
k_DmpDecelGain_Uls_f32	1.10000002		
k_DmpGainOffThresh_KphpS_f32	22.4099998		
k_DmpGainOnThresh_KphpS_f32	4.61999989		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	14592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	14624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	14656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	14688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	14720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	14752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328		
DecelGain()	126301.234	126301.234 ± 0.9	✓
PreDecelGain_Uls_M_f32	126301.234	126301.234 ± 0.0625	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	-100.199997		
PreDecelGain_Uls_M_f32	126405.008		
VehicleLonAccel_KphpS_T_f32	-6.0999999		
k_DmpDecelGainFSlew_UlspS_f32	1000.01001		
k_DmpDecelGain_Uls_f32	1.5		
k_DmpGainOffThresh_KphpS_f32	33.3199997		
k_DmpGainOnThresh_KphpS_f32	5.63999987		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	20960		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	20992		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	21024		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	21056		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	21088		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	21120		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	384		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	392		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	400		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	424		
DecelGain()	126403.008	126403.008 ± 0.9	✓
PreDecelGain_Uls_M_f32	126403.008	126403.008 ± 0.0625	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	200.119995		
PreDecelGain_Uls_M_f32	126506.984		
VehicleLonAccel_KphpS_T_f32	6.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1100.02002		
k_DmpDecelGain_Uls_f32	1.89999998		

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DecelGain

Name	Input Value		
k_DmpGainOffThresh_KphpS_f32	44.4500008		
k_DmpGainOnThresh_KphpS_f32	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	25216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	25248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	25280		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	25312		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	25344		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	25376		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	126504.781	126504.781 ± 0.9	✓
PreDecelGain_Uls_M_f32	126504.781	126504.781 ± 0.0625	✓

Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-200.309998		
PreDecelGain_Uls_M_f32	126608.961		
VehicleLonAccel_KphpS_T_f32	7.5		
k_DmpDecelGainFSlew_UlspS_f32	1200.02002		
k_DmpDecelGain_Uls_f32	2.5		
k_DmpGainOffThresh_KphpS_f32	8.61999989		
k_DmpGainOnThresh_KphpS_f32	50		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3264		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3296		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3328		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3360		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3392		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3424		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720		
Name	Actual Value	Expected Value	Result
DecelGain()	126606.563	126606.563 ± 0.9	✓
PreDecelGain_Uls_M_f32	126606.563	126606.563 ± 0.0625	✓

Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	300.519989		
PreDecelGain_Uls_M_f32	126710.938		
VehicleLonAccel_KphpS_T_f32	8.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1300.02002		
k_DmpDecelGain_Uls_f32	5.5999999		
k_DmpGainOffThresh_KphpS_f32	16.2099991		
k_DmpGainOnThresh_KphpS_f32	25.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3808		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3840		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3936		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
Name	Actual Value	Expected Value	Result
DecelGain()	126708.336	126708.336 ± 0.9	✓
PreDecelGain_Uls_M_f32	126708.336	126708.336 ± 0.0625	✓

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DecelGain

Test Step 2.16 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadps_T_f32	300.519989		
PreDecelGain_Uls_M_f32	126710.938		
VehicleLonAccel_KphpS_T_f32	8.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1300.02002		
k_DmpDecelGain_Uls_f32	5.5999999		
k_DmpGainOffThresh_KphpS_f32	16.2099991		
k_DmpGainOnThresh_KphpS_f32	10		
t_DmpDecelGainSlewX_MtrRadps_u11p5[0]	3776		
t_DmpDecelGainSlewX_MtrRadps_u11p5[1]	3808		
t_DmpDecelGainSlewX_MtrRadps_u11p5[2]	3840		
t_DmpDecelGainSlewX_MtrRadps_u11p5[3]	3872		
t_DmpDecelGainSlewX_MtrRadps_u11p5[4]	3904		
t_DmpDecelGainSlewX_MtrRadps_u11p5[5]	3936		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
Name	Actual Value	Expected Value	Result
DecelGain()	126708.336	126708.336 ± 0.9	✓
PreDecelGain_Uls_M_f32	126708.336	126708.336 ± 0.0625	✓

Test Step 2.17 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadps_T_f32	-300.630005		
PreDecelGain_Uls_M_f32	126812.906		
VehicleLonAccel_KphpS_T_f32	9.30000019		
k_DmpDecelGainFSlew_UlspS_f32	1400.01001		
k_DmpDecelGain_Uls_f32	1		
k_DmpGainOffThresh_KphpS_f32	24.1200008		
k_DmpGainOnThresh_KphpS_f32	11.21		
t_DmpDecelGainSlewX_MtrRadps_u11p5[0]	5280		
t_DmpDecelGainSlewX_MtrRadps_u11p5[1]	5312		
t_DmpDecelGainSlewX_MtrRadps_u11p5[2]	5344		
t_DmpDecelGainSlewX_MtrRadps_u11p5[3]	5376		
t_DmpDecelGainSlewX_MtrRadps_u11p5[4]	5408		
t_DmpDecelGainSlewX_MtrRadps_u11p5[5]	5440		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520		
Name	Actual Value	Expected Value	Result
DecelGain()	126810.109	126810.109 ± 0.9	✓
PreDecelGain_Uls_M_f32	126810.109	126810.109 ± 0.0625	✓

Test Step 2.18 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadps_T_f32	400.75		
PreDecelGain_Uls_M_f32	126914.883		
VehicleLonAccel_KphpS_T_f32	-1.20000005		
k_DmpDecelGainFSlew_UlspS_f32	1500.04004		
k_DmpDecelGain_Uls_f32	10		
k_DmpGainOffThresh_KphpS_f32	32.4099998		
k_DmpGainOnThresh_KphpS_f32	22.4099998		
t_DmpDecelGainSlewX_MtrRadps_u11p5[0]	11680		
t_DmpDecelGainSlewX_MtrRadps_u11p5[1]	11712		
t_DmpDecelGainSlewX_MtrRadps_u11p5[2]	11744		
t_DmpDecelGainSlewX_MtrRadps_u11p5[3]	11776		
t_DmpDecelGainSlewX_MtrRadps_u11p5[4]	11808		
t_DmpDecelGainSlewX_MtrRadps_u11p5[5]	11840		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1608		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1616		

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DecelGain

Name	Input Value	Expected Value	Result
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1648		
DecelGain()	126911.883	126911.883 ± 0.9	✓
PreDecelGain_Uls_M_f32	126911.883	126911.883 ± 0.0625	✓

Test Step 2.19 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	-400.519989		
PreDecelGain_Uls_M_f32	127016.859		
VehicleLonAccel_KphpS_T_f32	-2.29999995		
k_DmpDecelGainFSlew_UlspS_f32	1600.02002		
k_DmpDecelGain_Uls_f32	5.25		
k_DmpGainOffThresh_KphpS_f32	40.5200005		
k_DmpGainOnThresh_KphpS_f32	33.3199997		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
DecelGain()	127013.656	127013.656 ± 0.9	✓
PreDecelGain_Uls_M_f32	127013.656	127013.656 ± 0.0625	✓

Test Step 2.20 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	-400.519989		
PreDecelGain_Uls_M_f32	127016.859		
VehicleLonAccel_KphpS_T_f32	-2.29999995		
k_DmpDecelGainFSlew_UlspS_f32	1600.02002		
k_DmpDecelGain_Uls_f32	3		
k_DmpGainOffThresh_KphpS_f32	40.5200005		
k_DmpGainOnThresh_KphpS_f32	33.3199997		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
DecelGain()	127013.656	127013.656 ± 0.9	✓
PreDecelGain_Uls_M_f32	127013.656	127013.656 ± 0.0625	✓

Test Step 2.21 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	500.679993		
PreDecelGain_Uls_M_f32	127118.836		
VehicleLonAccel_KphpS_T_f32	-3.0999999		
k_DmpDecelGainFSlew_UlspS_f32	1700.02002		
k_DmpDecelGain_Uls_f32	2.0999999		

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DecelGain

Name	Input Value		
k_DmpGainOffThresh_KphpS_f32	0		
k_DmpGainOnThresh_KphpS_f32	44.4500008		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	127118.836	127118.836 ± 0.9	✓
PreDecelGain_Uls_M_f32	127118.836	127118.836 ± 0.0625	✓

Test Step 2.22 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	600.460022		
PreDecelGain_Uls_M_f32	127220.813		
VehicleLonAccel_KphpS_T_f32	-4.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1800.01001		
k_DmpDecelGain_Uls_f32	2.20000005		
k_DmpGainOffThresh_KphpS_f32	50		
k_DmpGainOnThresh_KphpS_f32	8.61999989		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	3608		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	3616		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	3624		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	3632		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	3640		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	3648		
Name	Actual Value	Expected Value	Result
DecelGain()	127217.211	127217.211 ± 0.9	✓
PreDecelGain_Uls_M_f32	127217.211	127217.211 ± 0.0625	✓

Test Step 2.23 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	700.02002		
PreDecelGain_Uls_M_f32	127322.781		
VehicleLonAccel_KphpS_T_f32	-5.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1900.03003		
k_DmpDecelGain_Uls_f32	2.59999999		
k_DmpGainOffThresh_KphpS_f32	25.4500008		
k_DmpGainOnThresh_KphpS_f32	16.20999991		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328		
Name	Actual Value	Expected Value	Result
DecelGain()	127318.984	127318.984 ± 0.9	✓
PreDecelGain_Uls_M_f32	127318.984	127318.984 ± 0.0625	✓

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DecelGain

Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	700.02002		
PreDecelGain_Uls_M_f32	127322.781		
VehicleLonAccel_KphpS_T_f32	-5.19999981		
k_DmpDecelGainFSlew_UlspS_f32	1900.03003		
k_DmpDecelGain_Uls_f32	2.5999999		
k_DmpGainOffThresh_KphpS_f32	1		
k_DmpGainOnThresh_KphpS_f32	16.2099991		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	288		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	296		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	304		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	312		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	320		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	328		
Name	Actual Value	Expected Value	Result
DecelGain()	127322.781	127322.781 ± 0.9	✔
PreDecelGain_Uls_M_f32	127322.781	127322.781 ± 0.0625	✔

Test Step 2.25 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	800.030029		
PreDecelGain_Uls_M_f32	1		
VehicleLonAccel_KphpS_T_f32	-6.5		
k_DmpDecelGainFSlew_UlspS_f32	2000.06006		
k_DmpDecelGain_Uls_f32	2.79999995		
k_DmpGainOffThresh_KphpS_f32	11.21		
k_DmpGainOnThresh_KphpS_f32	24.1200008		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	1	1 ± 0.000009	✔
PreDecelGain_Uls_M_f32	1	1 ± 0.0625	✔

Test Step 2.26 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	900.080017
PreDecelGain_Uls_M_f32	4.2949673e+009
VehicleLonAccel_KphpS_T_f32	-7.5999999
k_DmpDecelGainFSlew_UlspS_f32	2100.02002
k_DmpDecelGain_Uls_f32	3.5
k_DmpGainOffThresh_KphpS_f32	22.4099998
k_DmpGainOnThresh_KphpS_f32	32.4099998
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456

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DecelGain

Name	Input Value	Expected Value	Result
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
DecelGain()	4.2949673e+009	4.2949673e+009 ± 9999	✓
PreDecelGain_Uls_M_f32	4.2949673e+009	4.2949673e+009 ± 0.0625	✓

Test Step 2.27 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	1000.12		
PreDecelGain_Uls_M_f32	127628.711		
VehicleLonAccel_KphpS_T_f32	-8.19999981		
k_DmpDecelGainFSlew_UlspS_f32	2200.02002		
k_DmpDecelGain_Uls_f32	3.9000001		
k_DmpGainOffThresh_KphpS_f32	33.3199997		
k_DmpGainOnThresh_KphpS_f32	40.5200005		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	27264		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	27296		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	27328		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	27360		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	27392		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	27424		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720		
DecelGain()	127624.313	127624.313 ± 0.9	✓
PreDecelGain_Uls_M_f32	127624.313	127624.313 ± 0.0625	✓

Test Step 2.28 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	1100.26001		
PreDecelGain_Uls_M_f32	127730.688		
VehicleLonAccel_KphpS_T_f32	-9.19999981		
k_DmpDecelGainFSlew_UlspS_f32	2300.04004		
k_DmpDecelGain_Uls_f32	3.70000005		
k_DmpGainOffThresh_KphpS_f32	44.4500008		
k_DmpGainOnThresh_KphpS_f32	48.6199989		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
DecelGain()	127726.086	127726.086 ± 0.9	✓
PreDecelGain_Uls_M_f32	127726.086	127726.086 ± 0.0625	✓

Test Step 2.29 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	-500.230011		
PreDecelGain_Uls_M_f32	127832.656		
VehicleLonAccel_KphpS_T_f32	1.10000002		
k_DmpDecelGainFSlew_UlspS_f32	2400.08008		
k_DmpDecelGain_Uls_f32	4.80000019		

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DecelGain

Name	Input Value		
k_DmpGainOffThresh_KphpS_f32	8.61999989		
k_DmpGainOnThresh_KphpS_f32	4.21000004		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	35776		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	35776		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1480		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1488		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1496		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1504		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1512		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1520		
Name	Actual Value	Expected Value	Result
DecelGain()	127827.859	127827.859 ± 0.9	✓
PreDecelGain_Uls_M_f32	127827.859	127827.859 ± 0.0625	✓

Test Step 2.30 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-600.52002		
PreDecelGain_Uls_M_f32	127934.633		
VehicleLonAccel_KphpS_T_f32	1.20000005		
k_DmpDecelGainFSlew_UlspS_f32	2500.02002		
k_DmpDecelGain_Uls_f32	5.9000001		
k_DmpGainOffThresh_KphpS_f32	16.2099991		
k_DmpGainOnThresh_KphpS_f32	8.85000038		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3200		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	6400		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9600		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	12800		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	16000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	19200		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248		
Name	Actual Value	Expected Value	Result
DecelGain()	127929.633	127929.633 ± 0.9	✓
PreDecelGain_Uls_M_f32	127929.633	127929.633 ± 0.0625	✓

Test Step 2.31 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-700.140015		
PreDecelGain_Uls_M_f32	128036.609		
VehicleLonAccel_KphpS_T_f32	1.60000002		
k_DmpDecelGainFSlew_UlspS_f32	2600.07007		
k_DmpDecelGain_Uls_f32	5.80000019		
k_DmpGainOffThresh_KphpS_f32	24.1200008		
k_DmpGainOnThresh_KphpS_f32	12.6099997		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8		
Name	Actual Value	Expected Value	Result
DecelGain()	128031.406	128031.406 ± 0.9	✓
PreDecelGain_Uls_M_f32	128031.406	128031.406 ± 0.0625	✓

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DecelGain

Test Step 2.32 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-800.52002		
PreDecelGain_Uls_M_f32	128138.586		
VehicleLonAccel_KphpS_T_f32	1.79999995		
k_DmpDecelGainFSlew_UlspS_f32	2700.03003		
k_DmpDecelGain_Uls_f32	6.5		
k_DmpGainOffThresh_KphpS_f32	32.4099998		
k_DmpGainOnThresh_KphpS_f32	16.2099991		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	4000		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	4000		
Name	Actual Value	Expected Value	Result
DecelGain()	128133.188	128133.188 ± 0.9	✓
PreDecelGain_Uls_M_f32	128133.188	128133.188 ± 0.0625	✓

Test Step 2.33 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-900.630005		
PreDecelGain_Uls_M_f32	128240.563		
VehicleLonAccel_KphpS_T_f32	-2.0999999		
k_DmpDecelGainFSlew_UlspS_f32	2800.02002		
k_DmpDecelGain_Uls_f32	6.80000019		
k_DmpGainOffThresh_KphpS_f32	40.5200005		
k_DmpGainOnThresh_KphpS_f32	20.6299992		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	5792		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	5824		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	5856		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	5888		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	5920		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	5952		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2000		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2008		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2016		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2024		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2032		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2040		
Name	Actual Value	Expected Value	Result
DecelGain()	128234.961	128234.961 ± 0.9	✓
PreDecelGain_Uls_M_f32	128234.961	128234.961 ± 0.0625	✓

Test Step 2.34 (Repeat Count = 1)			
Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-1000.25		
PreDecelGain_Uls_M_f32	128342.531		
VehicleLonAccel_KphpS_T_f32	-2.5		
k_DmpDecelGainFSlew_UlspS_f32	1		
k_DmpDecelGain_Uls_f32	6.9000001		
k_DmpGainOffThresh_KphpS_f32	48.6199998		
k_DmpGainOnThresh_KphpS_f32	24.1399994		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	9120		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	9152		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	9184		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	9216		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	9248		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	9280		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	680		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	688		

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DecelGain

Name	Input Value	Expected Value	Result
t_DmpDecelGainSlewY_UlspS_u13p3[2]	696		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	704		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	712		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	720		
DecelGain()	128342.531	128342.531 ± 0.9	✓
PreDecelGain_Uls_M_f32	128342.531	128342.531 ± 0.0625	✓

Test Step 2.35 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	-1100.84998		
PreDecelGain_Uls_M_f32	128444.508		
VehicleLonAccel_KphpS_T_f32	-2.9000001		
k_DmpDecelGainFSlew_UlspS_f32	4500		
k_DmpDecelGain_Uls_f32	3.79999995		
k_DmpGainOffThresh_KphpS_f32	4.21000004		
k_DmpGainOnThresh_KphpS_f32	28.1800003		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	32320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	32352		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	32384		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	32416		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	32448		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	32480		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1536		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1544		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1552		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1560		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1568		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1576		
DecelGain()	128435.508	128435.508 ± 0.9	✓
PreDecelGain_Uls_M_f32	128435.508	128435.508 ± 0.0625	✓

Test Step 2.36 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
CRFMotorVel_MtrRadpS_T_f32	458.619995		
PreDecelGain_Uls_M_f32	128546.484		
VehicleLonAccel_KphpS_T_f32	-8.10000038		
k_DmpDecelGainFSlew_UlspS_f32	2500.02002		
k_DmpDecelGain_Uls_f32	6.9000001		
k_DmpGainOffThresh_KphpS_f32	8.85000038		
k_DmpGainOnThresh_KphpS_f32	32.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	30592		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	30624		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	30656		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	30688		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	30720		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	30752		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	1208		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	1216		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	1224		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	1232		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	1240		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	1248		
DecelGain()	128541.484	128541.484 ± 0.9	✓
PreDecelGain_Uls_M_f32	128541.484	128541.484 ± 0.0625	✓

TEST DETAILS REPORT

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DecelGain



Test Case 3: Path Test

Specification	Performance Metrics (With "None" Instrumentation and "WithPS" Environment) CPU Cycles: TS3.1 326.00 Cycles TS3.2 344.00 Cycles TS3.3 342.00 Cycles TS3.4 320.00 Cycles
Description	Test Vector Description: TS3.1 "(-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32) = True and (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=True" TS3.2 "(-VehicleLonAccel_KphpS_T_f32 > k_DmpGainOnThresh_KphpS_f32) = False and (-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=True and (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=False and (RawDecelGain_Uls_T_f32<=(D_2MS_SEC_F32 * -k_DmpDecelGainFSlw_UlspS_f32)+ PreDecelGain_Uls_M_f32)=True" TS3.3 (-VehicleLonAccel_KphpS_T_f32 < k_DmpGainOffThresh_KphpS_f32)=False TS3.4 (RawDecelGain_Uls_T_f32>= (D_2MS_SEC_F32 * MaxDecelGain_UlspS_T_f32)+ PreDecelGain_Uls_M_f32))=True

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	100.019997		
PreDecelGain_Uls_M_f32	125487.234		
VehicleLonAccel_KphpS_T_f32	-10		
k_DmpDecelGainFSlw_UlspS_f32	100.019997		
k_DmpDecelGain_Uls_f32	2.0999999		
k_DmpGainOffThresh_KphpS_f32	11.5		
k_DmpGainOnThresh_KphpS_f32	5.25		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3552		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3584		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3616		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3648		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	3680		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	3712		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	408		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	416		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	424		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	432		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	440		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	448		
Name	Actual Value	Expected Value	Result
DecelGain()	125487.031	125487.031 ± 0.9	✔
PreDecelGain_Uls_M_f32	125487.031	125487.031 ± 0.0625	✔

Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.2 (Repeat Count = 1)

Name	Input Value
CRFMotorVel_MtrRadpS_T_f32	200.029999
PreDecelGain_Uls_M_f32	125589.211
VehicleLonAccel_KphpS_T_f32	10
k_DmpDecelGainFSlw_UlspS_f32	200.050003
k_DmpDecelGain_Uls_f32	3.5
k_DmpGainOffThresh_KphpS_f32	22.25
k_DmpGainOnThresh_KphpS_f32	10.1199999
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	3872
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	3904
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	3936
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	3968
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4000
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4032
t_DmpDecelGainSlewY_UlspS_u13p3[0]	2408
t_DmpDecelGainSlewY_UlspS_u13p3[1]	2416
t_DmpDecelGainSlewY_UlspS_u13p3[2]	2424
t_DmpDecelGainSlewY_UlspS_u13p3[3]	2432
t_DmpDecelGainSlewY_UlspS_u13p3[4]	2440

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DecelGain

Name	Input Value		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	2448		
Name	Actual Value	Expected Value	Result
DecelGain()	125588.813	125588.813 ± 0.9	✓
PreDecelGain_Uls_M_f32	125588.813	125588.813 ± 0.0625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.3 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	500.679993		
PreDecelGain_Uls_M_f32	127118.836		
VehicleLonAccel_KphpS_T_f32	-3.0999999		
k_DmpDecelGainFSlew_UlspS_f32	1700.02002		
k_DmpDecelGain_Uls_f32	2.0999999		
k_DmpGainOffThresh_KphpS_f32	0		
k_DmpGainOnThresh_KphpS_f32	44.4500008		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	4192		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	4224		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	4256		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	4288		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	4320		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	4352		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	448		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	456		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	464		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	472		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	480		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	488		
Name	Actual Value	Expected Value	Result
DecelGain()	127118.836	127118.836 ± 0.9	✓
PreDecelGain_Uls_M_f32	127118.836	127118.836 ± 0.0625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

Test Step 3.4 (Repeat Count = 1) ✓

Name	Input Value		
CRFMotorVel_MtrRadpS_T_f32	-1118		
PreDecelGain_Uls_M_f32	1		
VehicleLonAccel_KphpS_T_f32	-10		
k_DmpDecelGainFSlew_UlspS_f32	1		
k_DmpDecelGain_Uls_f32	2		
k_DmpGainOffThresh_KphpS_f32	0		
k_DmpGainOnThresh_KphpS_f32	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[0]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[1]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[2]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[3]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[4]	0		
t_DmpDecelGainSlewX_MtrRadpS_u11p5[5]	0		
t_DmpDecelGainSlewY_UlspS_u13p3[0]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[1]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[2]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[3]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[4]	8		
t_DmpDecelGainSlewY_UlspS_u13p3[5]	8		
Name	Actual Value	Expected Value	Result
DecelGain()	1.00199997	1.00199997 ± 0.000009	✓
PreDecelGain_Uls_M_f32	1.00199997	1.00199997 ± 0.0625	✓

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DecelGain



Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓