

Report Generated by Test Manager

Title: Test_baseline_01
Author: Alessandro Barro, Nicolas Bruscoli, Viviana Ceccarelli, Manuel Cintura, Leonardo Chiacchiararelli, Lucia Mariani
Date: 11-Apr-2021 23:54:44

Test Environment

Platform: PCWIN64
MATLAB: (R2019b)

Summary

Name	Outcome	Duration (Seconds)
Results: 2021-Apr-11 23:53:29	✓	5.305
 Torque_split_test	✓	5.306

Results: 2021-Apr-11 23:53:29

Result Type: Result Set
Parent: None
Start Time: 11-Apr-2021 23:53:29
End Time: 11-Apr-2021 23:53:34
Outcome: Total: 1, **Passed: 1**

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Torque_split_test

Test Result Information

Result Type: Test Case Result
Parent: [Results: 2021-Apr-11 23:53:29](#)
Start Time: 11-Apr-2021 23:53:29
End Time: 11-Apr-2021 23:53:34
Outcome: **Passed**

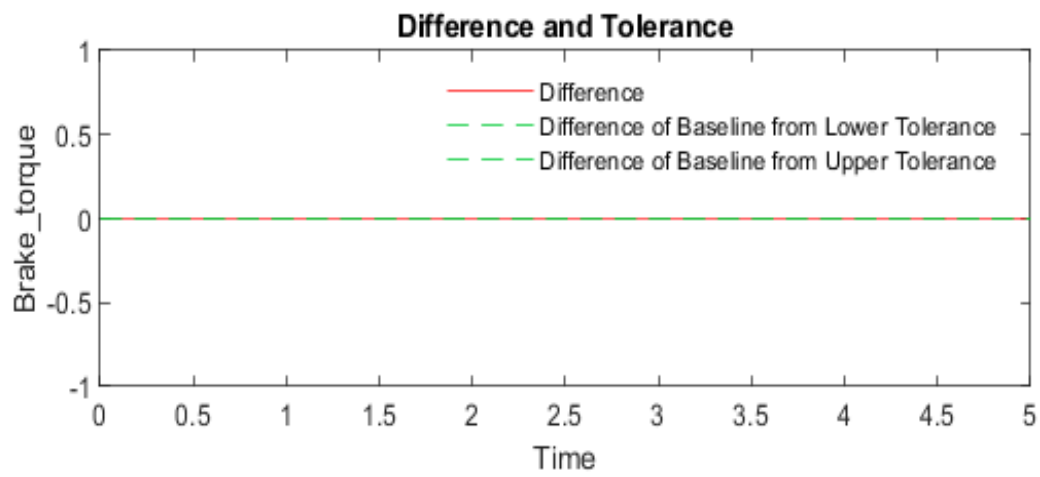
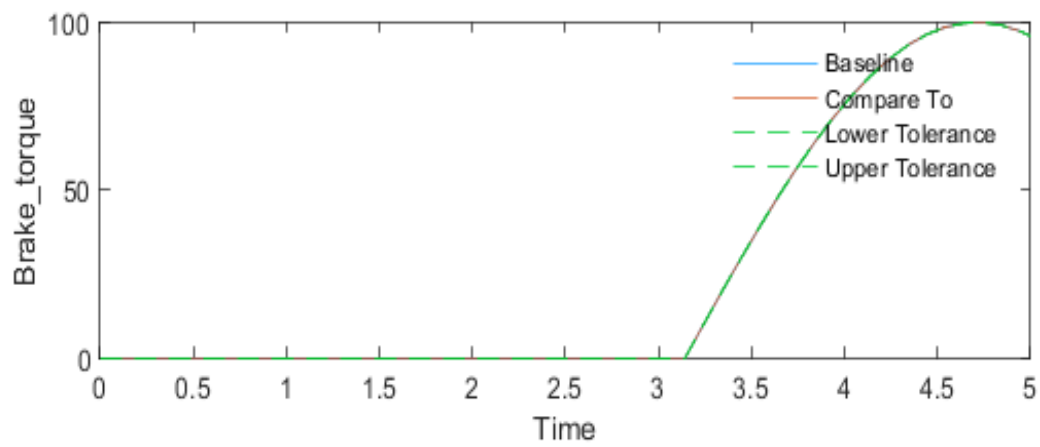
Test Case Information

Name: Torque_split_test
Type: Baseline Test
Baseline Name: Baseline_TorqueSplit.mat
Baseline File: D:\Dati\Università\MAGISTRALE\SecondYear\Compliance Design\Project\Test\Torque_split\Baseline_TorqueSplit.mat

Baseline Comparison

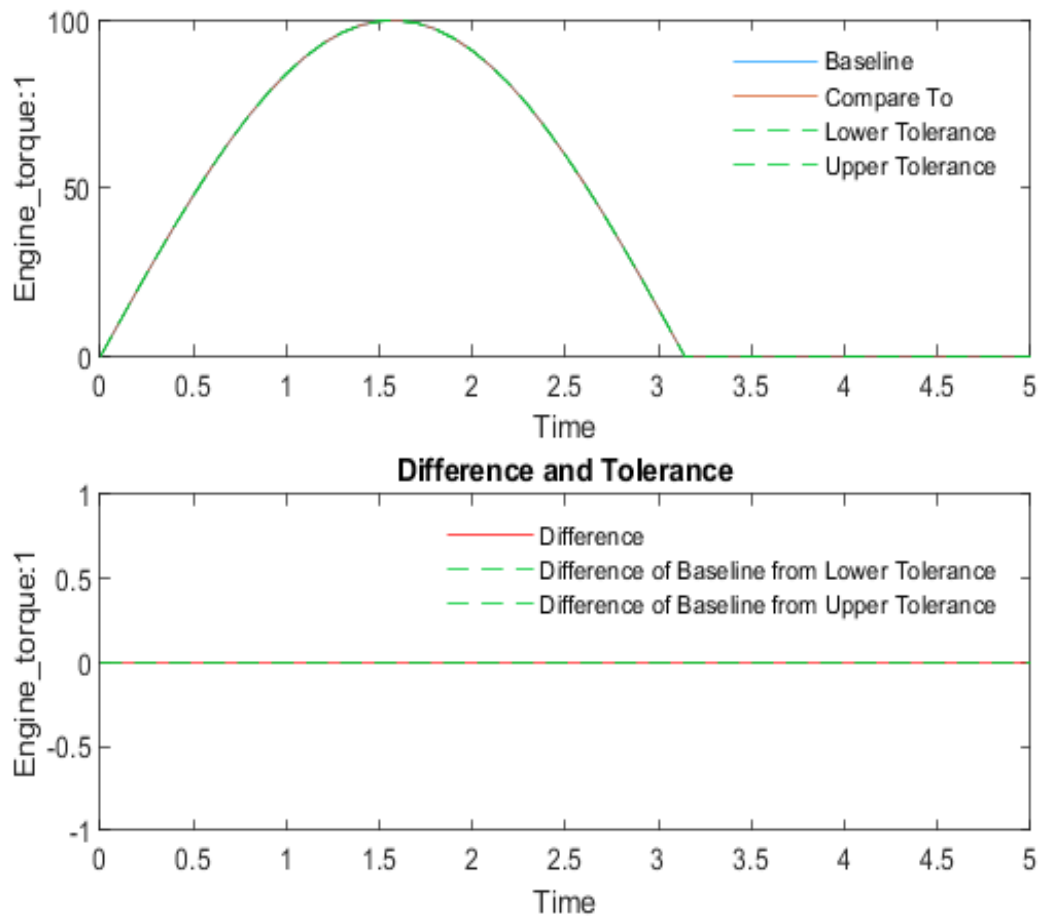
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
✓ Brake_torque	0	0	0	0	0	double		Continuous	double		Continuous	linear	union	Link
✓ Engine_torque:1	0	0	0	0	0	double	N*m	Continuous	double	N*m	Continuous	linear	union	Link
✓ Brake_torque:1	0	0	0	0	0	double		Continuous	double		Continuous	linear	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Brake_torque	0	0	0	0	0	double		Continuous	double		Continuous	linear	union



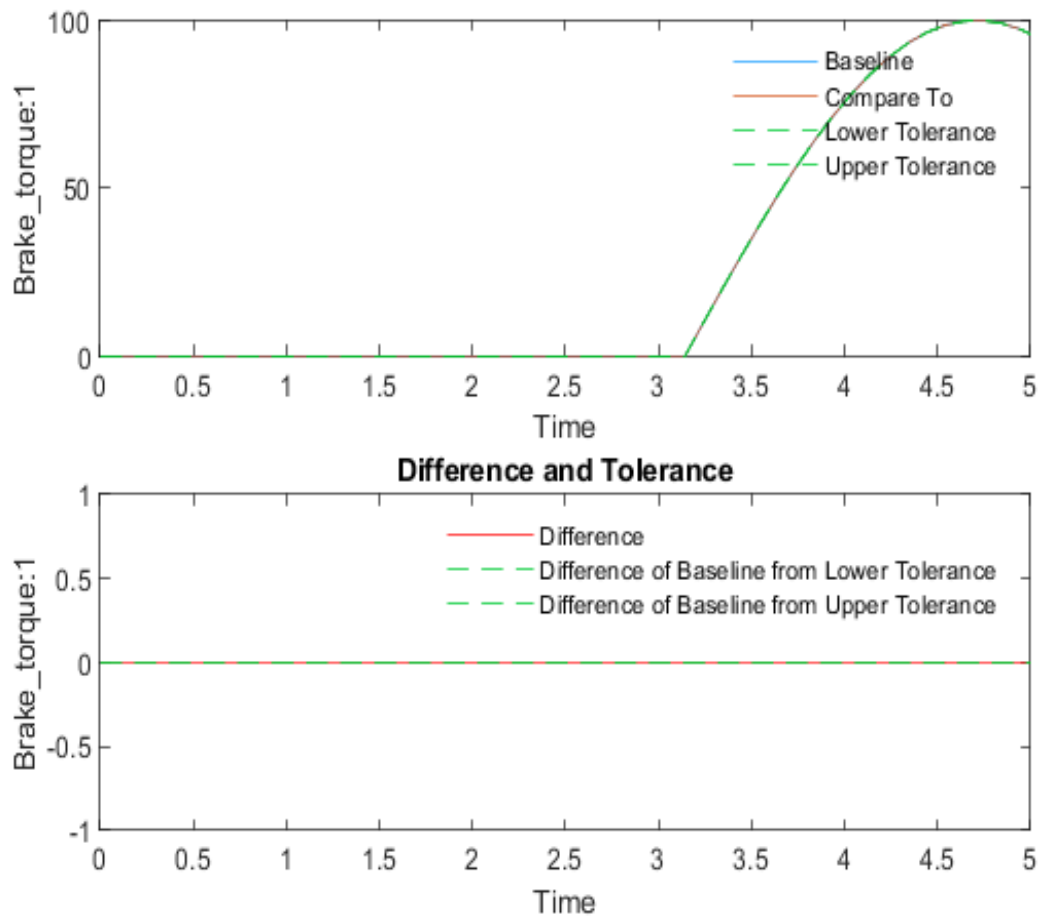
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Engine_torque:1	0	0	0	0	0	double	N*m	Continuous	double	N*m	Continuous	linear	union



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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✅ Brake_torque:1	0	0	0	0	0	double		Continuous	double		Continuous	linear	union



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Input Data

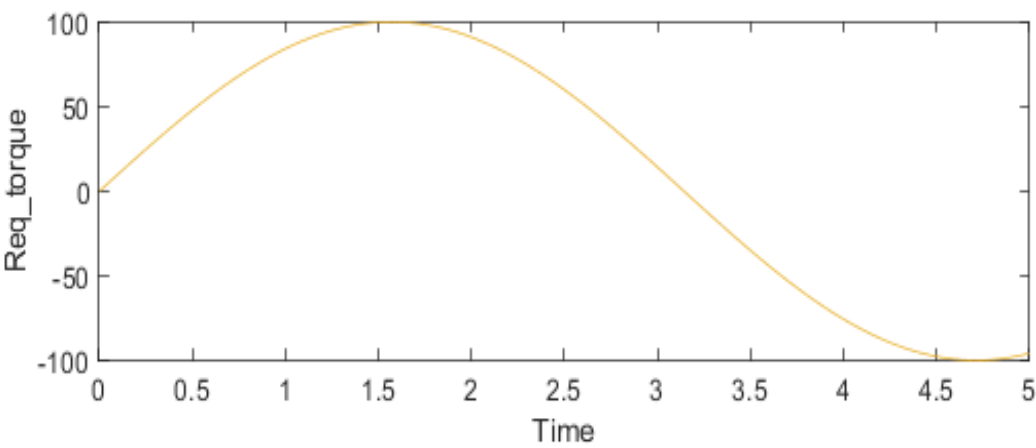
Input Information

External Input Name: Test_TorqueSplit_input.mat

External Input File: D:\Dati\Università\MAGISTRALE\SecondYear\Compliance Design\Project\Test\Torque_split\Test_TorqueSplit_input.mat

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Req_torque	double		Continuous	linear	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Req_torque	double		Continuous	linear	union



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Simulation

System Under Test Information

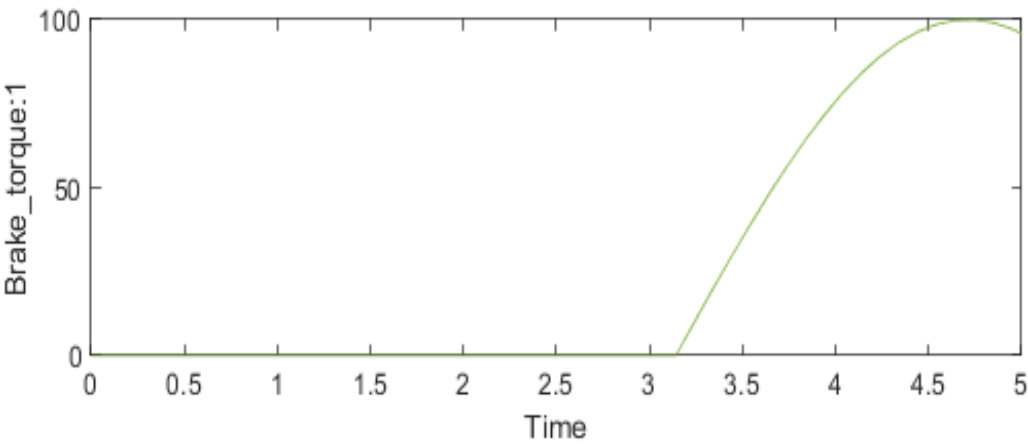
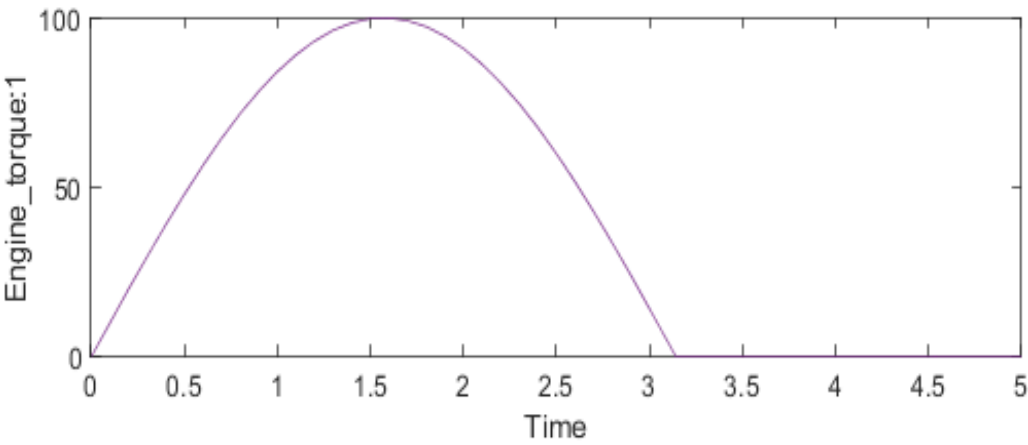
Model: Bozza_longitudinal_rev2_19b

Harness: Bozza_longitudinal_rev2_19b_TorqueSplit_Har
 ss2
 Harness Owner: Bozza_longitudinal_rev2_19b/Subsystem/Torque
 split_Subsystem
 Simulation Mode: normal
 Override SIL or PIL Mod 0
 e:
 Configuration Set: Configuration6
 External Input Name: Test_TorqueSplit_input.mat
 External Input File: D:\Dati\Università\MAGISTRALE\SecondYear\Com
 pliance Design\Project\Test\Torque_split\Test_Tor
 queSplit_input.mat
 Start Time: 0
 Stop Time: 5
 Checksum: 3416556070 1803061075 3858248017 1693232298
 Simulink Version: 10.0
 Model Version: 1.1
 Model Author: Leo
 Date: Sun Apr 11 23:34:13 2021
 User ID: Leo
 Model Path: D:\Dati\Università\MAGISTRALE\SecondYear\Com
 pliance Design\Project\Git\adaptive-cruise-contr
 ol\Model\Bozza_longitudinal_rev2_19b.slx
 Machine Name: PC-LEO
 Solver Name: VariableStepDiscrete
 Solver Type: Variable-Step
 Max Step Size: 0.10000000000000001
 Simulation Start Time: 2021-04-11 23:53:30
 Simulation Stop Time: 2021-04-11 23:53:30
 Platform: PCWIN64

Simulation Output

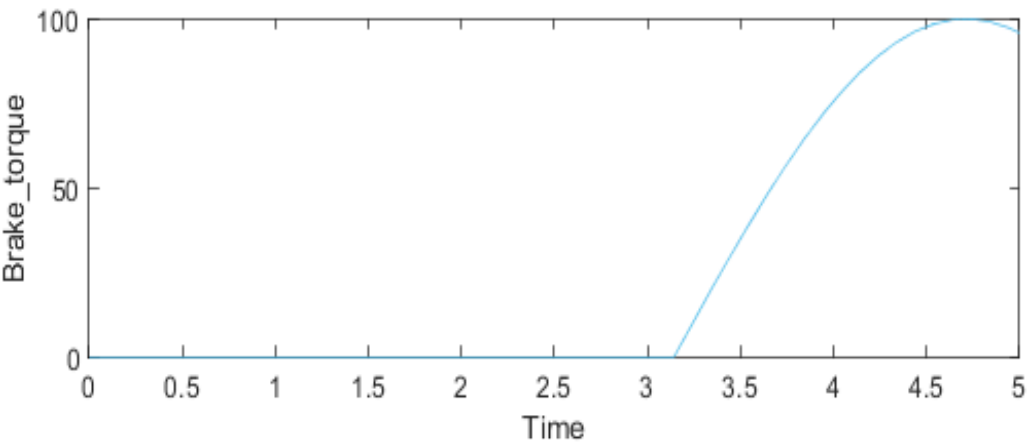
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Engine_torque:1	double	N*m	Continuous	linear	union	Link
Brake_torque:1	double		Continuous	linear	union	Link
Brake_torque	double		Continuous	linear	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Engine_torque:1	double	N*m	Continuous	linear	union
Brake_torque:1	double		Continuous	linear	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Brake_torque	double		Continuous	linear	union



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Simulation Logs:
Simulation stopped at '5' because there is no input data after this time point.

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