Report Generated by Test Manager

Title: Test_baseline_01
Author: Alessandro Barro, Nicolas Bruscoli, Viviana Ceccarelli, Manuel Cintura, LeonardoChiacchiararelli, Lucia Mariani
Date: 16-Apr-2021 23:20:22

Test Environment

Platform: PCWIN64
MATLAB: (R2019b)

Summary

Name	Outcome	Duration (Seconds)
Results: 2021-Apr-16 23:20:01	✔	3.636
Torque_split_test	✔	3.634

Results: 2021-Apr-16 23:20:01

Result Type: Result Set
Parent: None
Start Time: 16-Apr-2021 23:20:01
End Time: 16-Apr-2021 23:20:04
Outcome: Total: 1, Passed: 1
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Torque_split_test

Test Result Information

Result Type: Test Case Result
Parent: Results: 2021-Apr-16 23:20:01
Start Time: 16-Apr-2021 23:20:01
End Time: 16-Apr-2021 23:20:04
Outcome: Passed

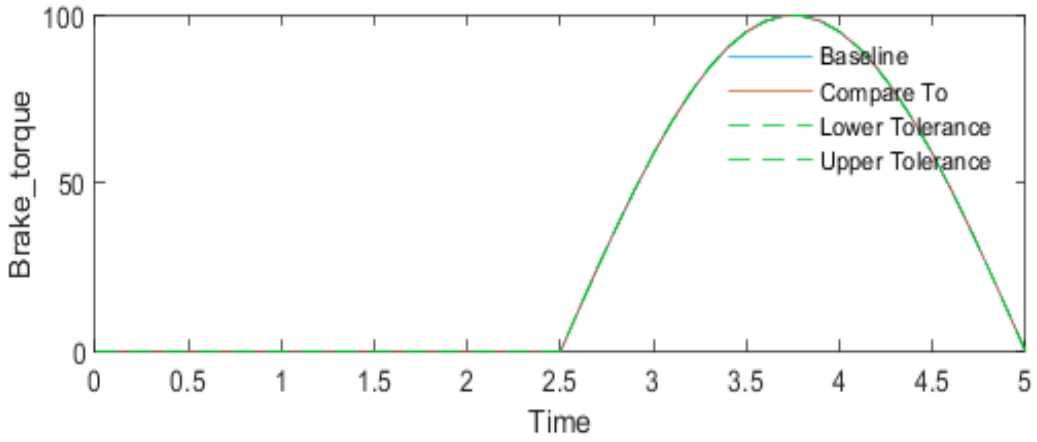
Test Case Information

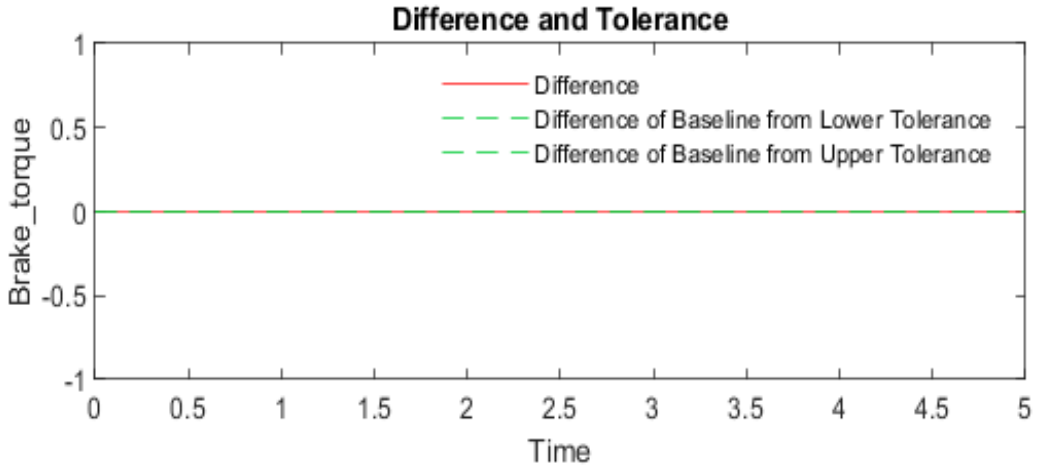
Name: Torque_split_test
Type: Baseline Test
Baseline Name: Baseline_TorqueSplit_2.mat
Baseline File: D:\Dati\Università\MAGISTRALE\SecondYear\Compliance Design\Project\Git\adaptive-cruise-control\Test\Torque_split\Baseline_TorqueSplit_2.mat

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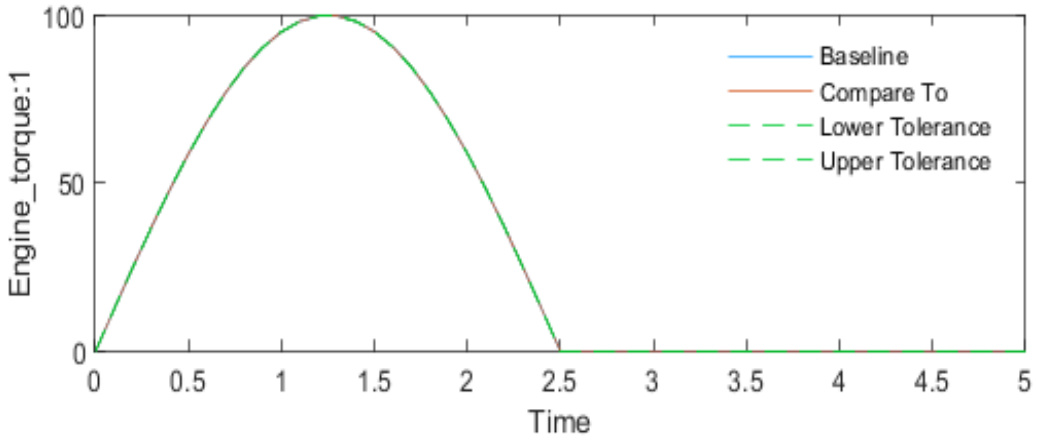
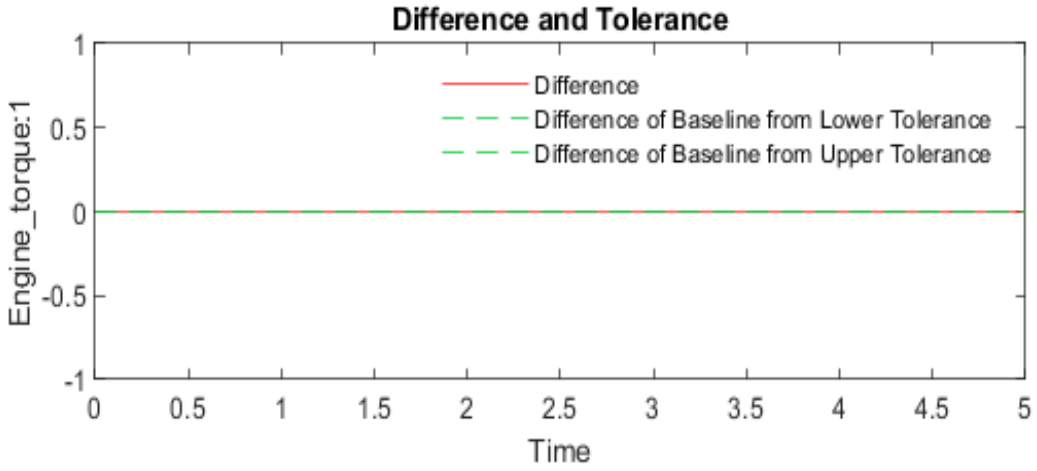
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
Engine_torque:1	0	0	0	0	0	double	N*m	Continuous	double	N*m	Continuous	linear	union





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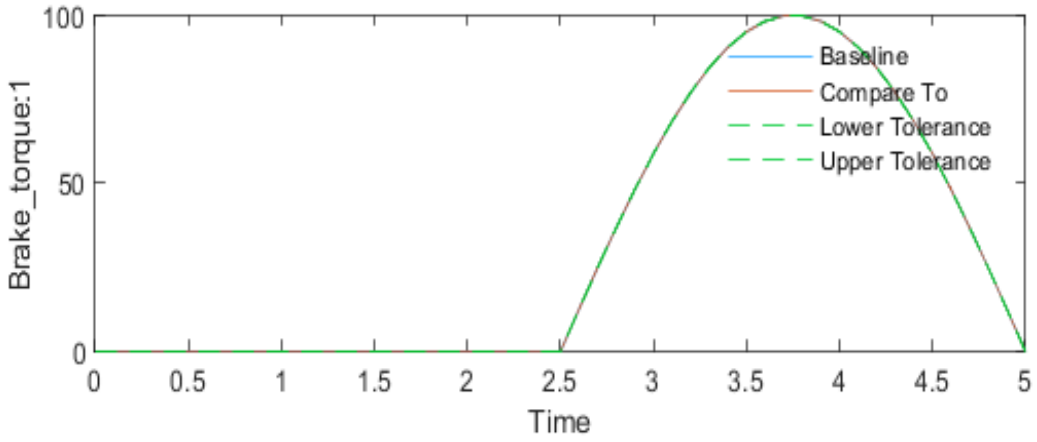
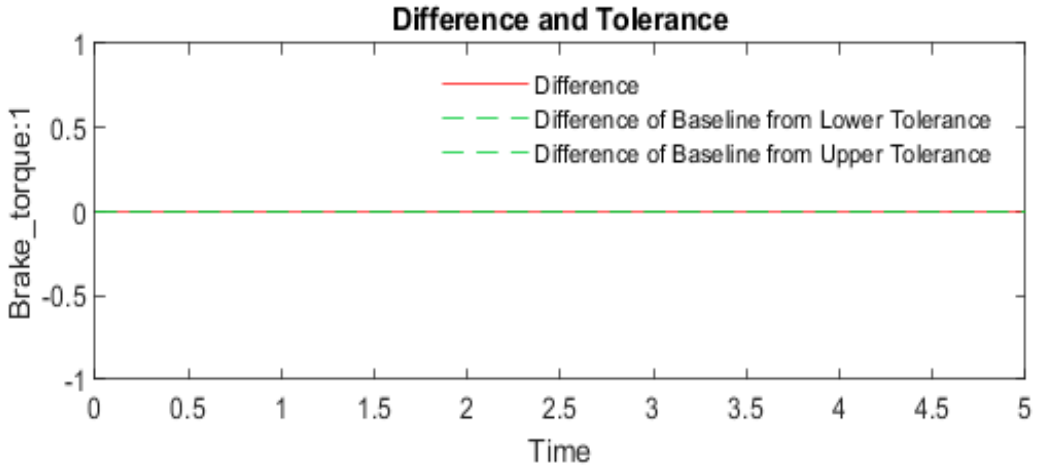
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
Brake_torque:1	0	0	0	0	0	double		Continuous	double		Continuous	linear	union





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Baseline_TorqueSplit_2.mat

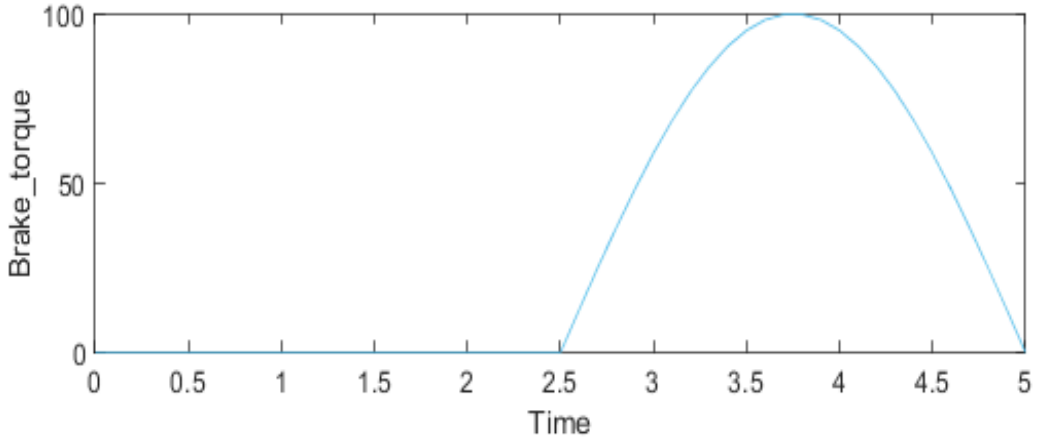
Baseline Information

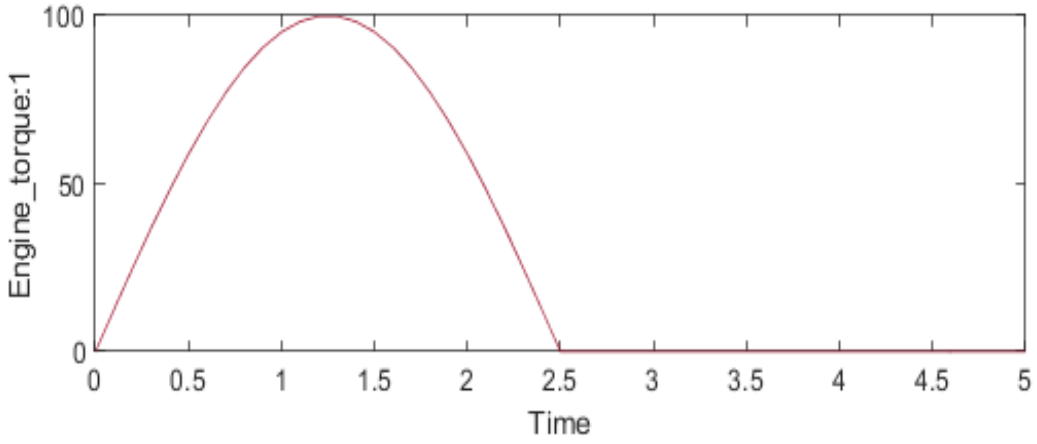
Baseline Name: Baseline_TorqueSplit_2.mat
Baseline File: D:\Dati\Università\MAGISTRALE\SecondYear\Compliance Design\Project\Git\adaptive-cruise-control\Test\Torque_split\Baseline_TorqueSplit_2.mat

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

Engine_torque:1	double	N*m	Continuous	linear	union	Link
Brake_torque:1	double		Continuous	linear	union	Link

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





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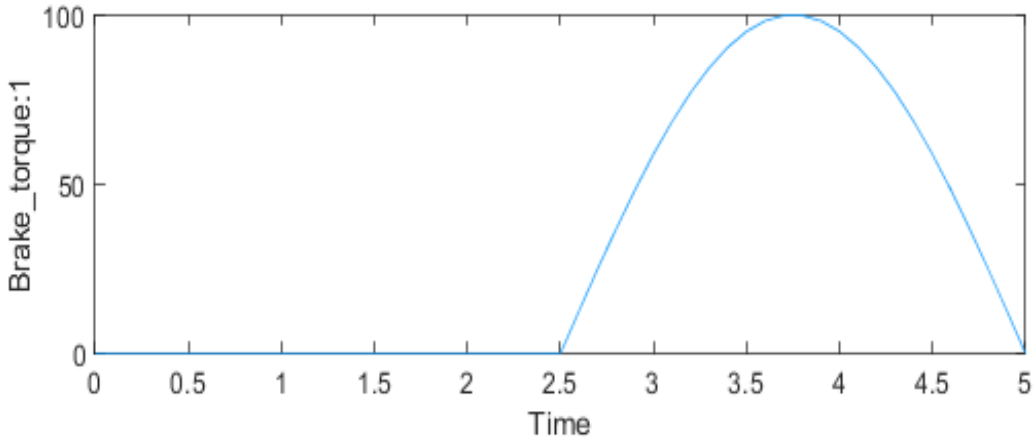
Name	Data Type	Units	Sample Time	Interp	Sync
Brake_torque:1	double		Continuous	linear	union



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Input Data

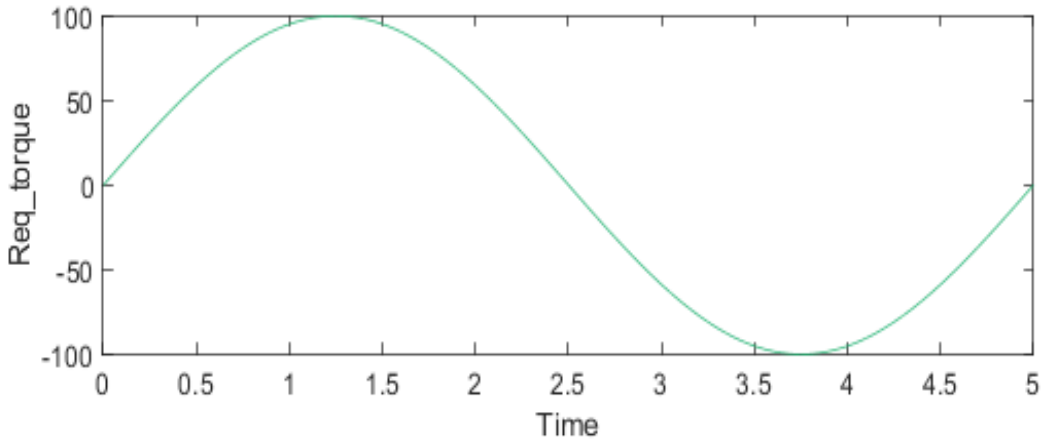
Input Information

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

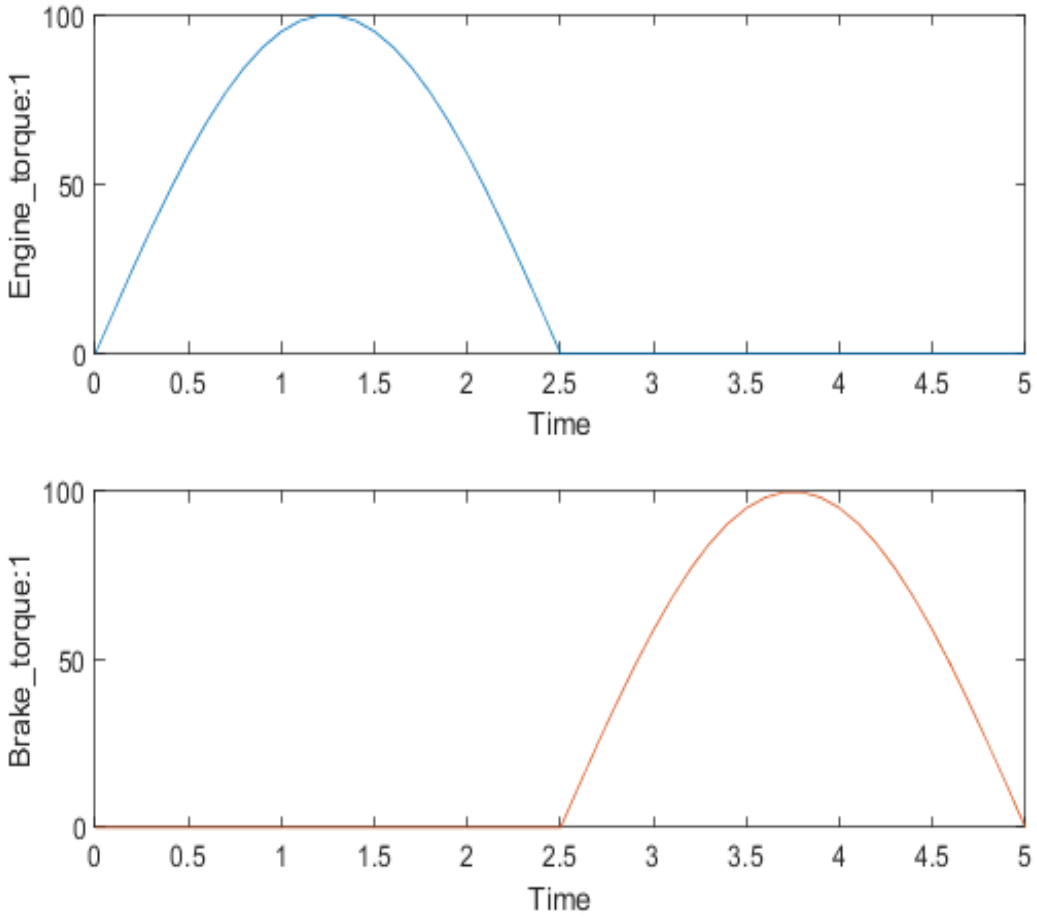
Model: Bozza_longitudinal_rev2_19b

Harness:	Bozza_longitudinal_rev2_19b_TorqueSplit_Harness2
Harness Owner:	Bozza_longitudinal_rev2_19b/controller/Torque_split_Subsystem
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration6
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
Start Time:	0
Stop Time:	5
Checksum:	3416556070 1803061075 3858248017 1693232298
Simulink Version:	10.0
Model Version:	1.2
Model Author:	Leo
Date:	Fri Apr 16 22:31:08 2021
User ID:	Leo
Model Path:	D:\Dati\Università\MAGISTRALE\SecondYear\Compliance Design\Project\Git\adaptive-cruise-control\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:	2021-04-16 23:20:02
Simulation Stop Time:	2021-04-16 23:20:03
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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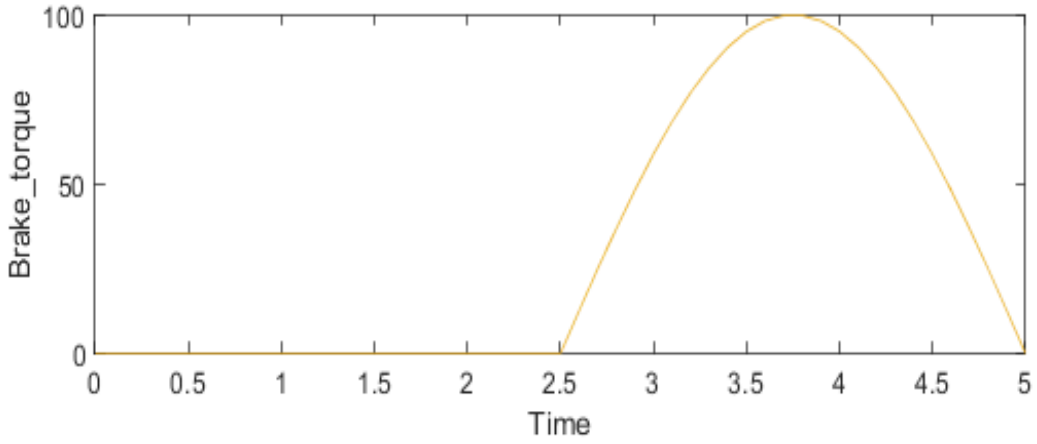
Name	Data Type	Units	Sample Time	Interp	Sync
Brake_torque	double		Continuous	linear	union



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

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