Reactis V2017

Released July 7, 2017

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Newly Supported Simulink Features

- MATLAB R2017a.

- Variant Source and Variant Sink blocks.

- Lookup and Prelookup blocks in which the input data type is different from the breakpoint data type.

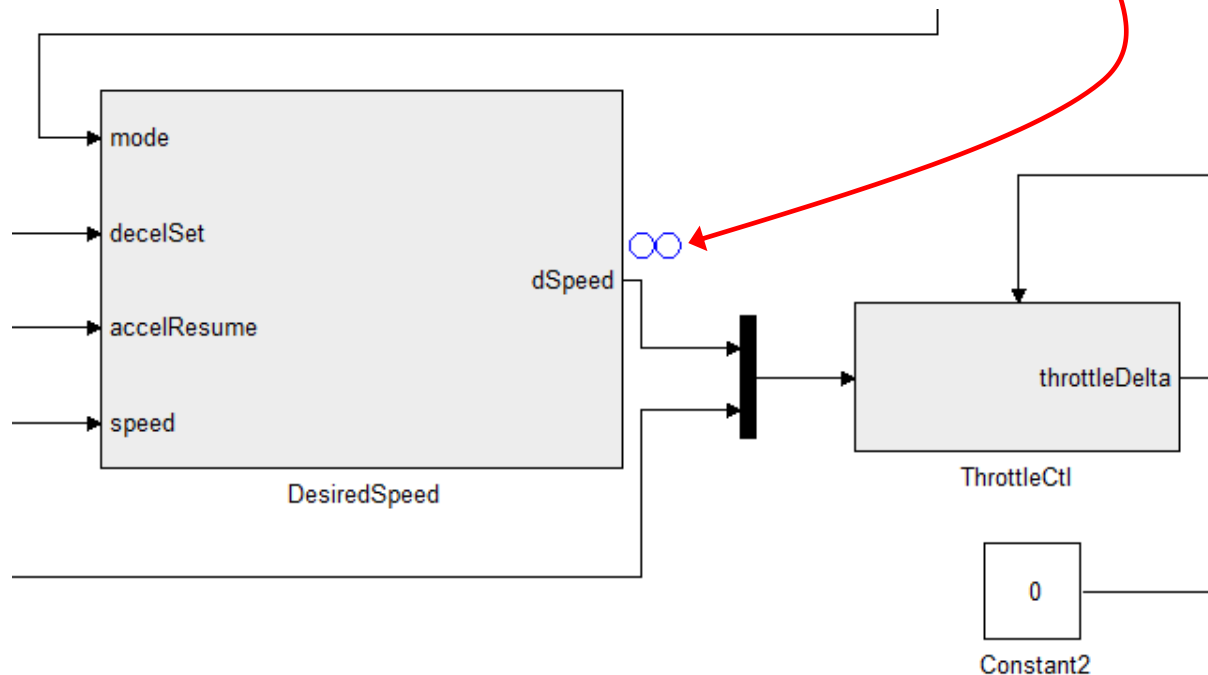- Outputting Stateflow leaf-state and child-state activity to Simulink.

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API Improvements

- Functions to add/modify/remove test points.
- Include/exclude plots in test execution reports.

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Reactis for EML Plugin

Support:

- *struct* function
- empty *otherwise* branch in *switch* statement

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Enhanced Test Points

Previously, test point

- stored internal signal value in test suite
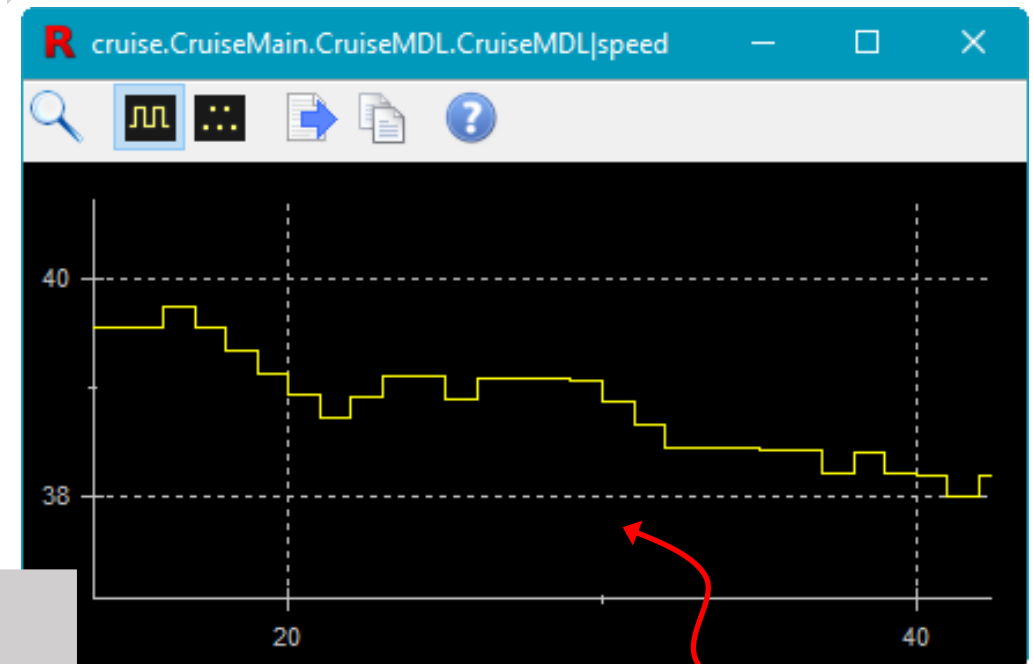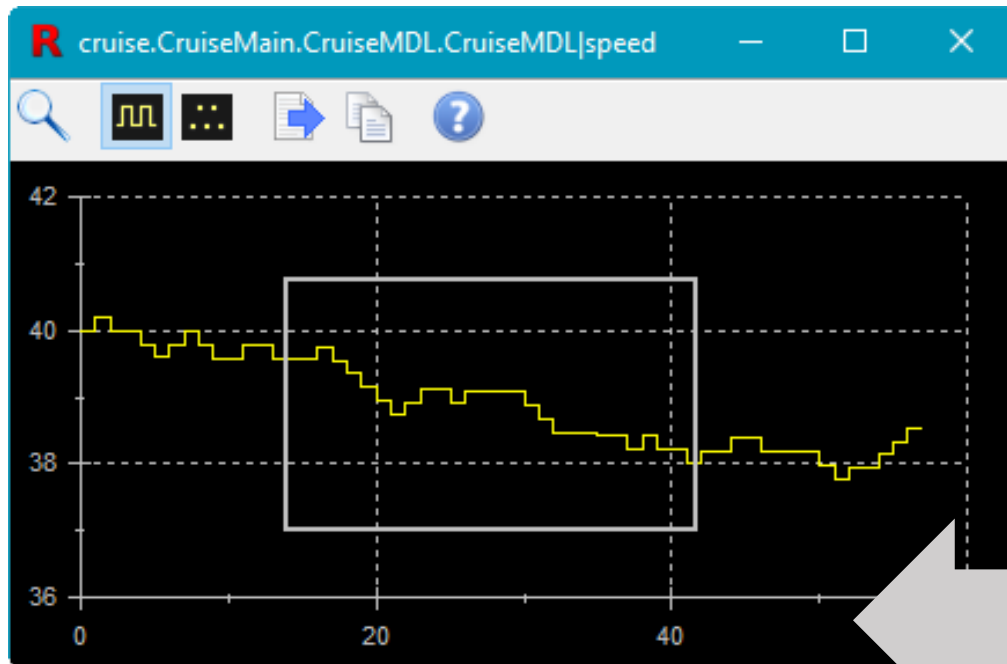- compared computed value for signal against test suite value

V2017

- assign constraint to test point
- raise error, warning, or assertion violation if value outside constraint is observed

Enhanced Scopes – Easier Zooming

Drag with mouse to select zoom region

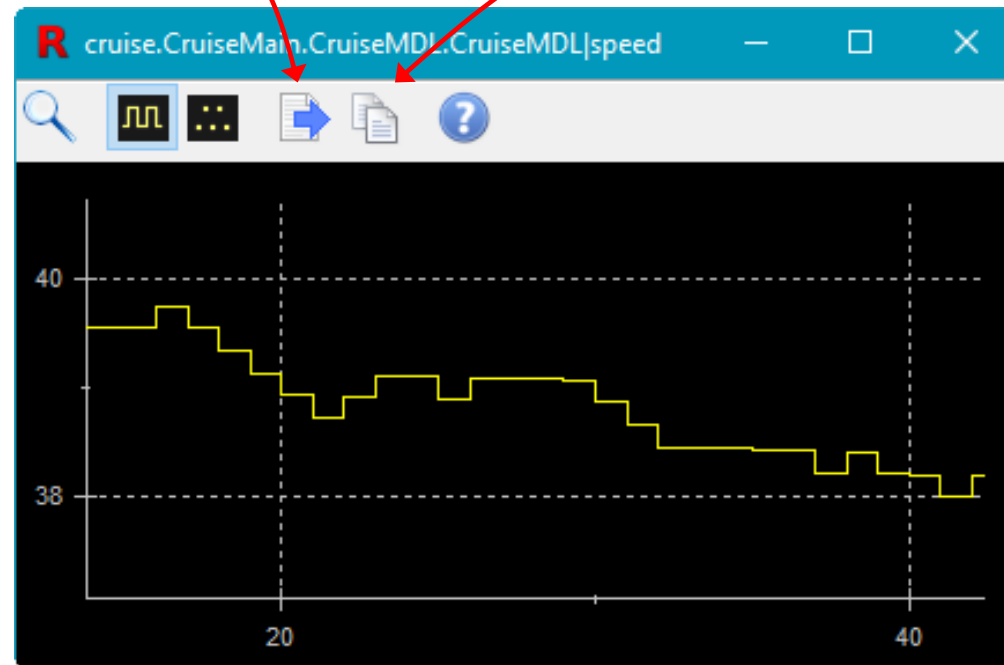Scope zoomed to selected region

Right-click to undo zoom

CTRL drag to scroll

Enhanced Scopes – Exporting Plot

Export plot to PNG

Copy plot to clipboard

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Test Execution Report Enhancements

Reactis Test Execution Report

Mon Jul 03 13:29:30 2017

Model File: C:\Users\sims\tmp\cruise\cruise.slx (1.119)

RSI File: C:\Users\sims\tmp\cruise\cruise.rsi

Test Suite: C:\Users\sims\tmp\cruise\ts2.rst

Reactis Version: V2016.3

Model version now included

Summary

Number	Test Name	Steps	Errors	Warnings	Differences
1	Test 1	1	0	0	0
2	Test 2	58	0	0	0
3	Test 3	11	0	0	0
4	Test 4	31	0	0	0
5	Test 5	26	1	0	0

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Test Execution Report Enhancements

Tolerance now included for each output and test point

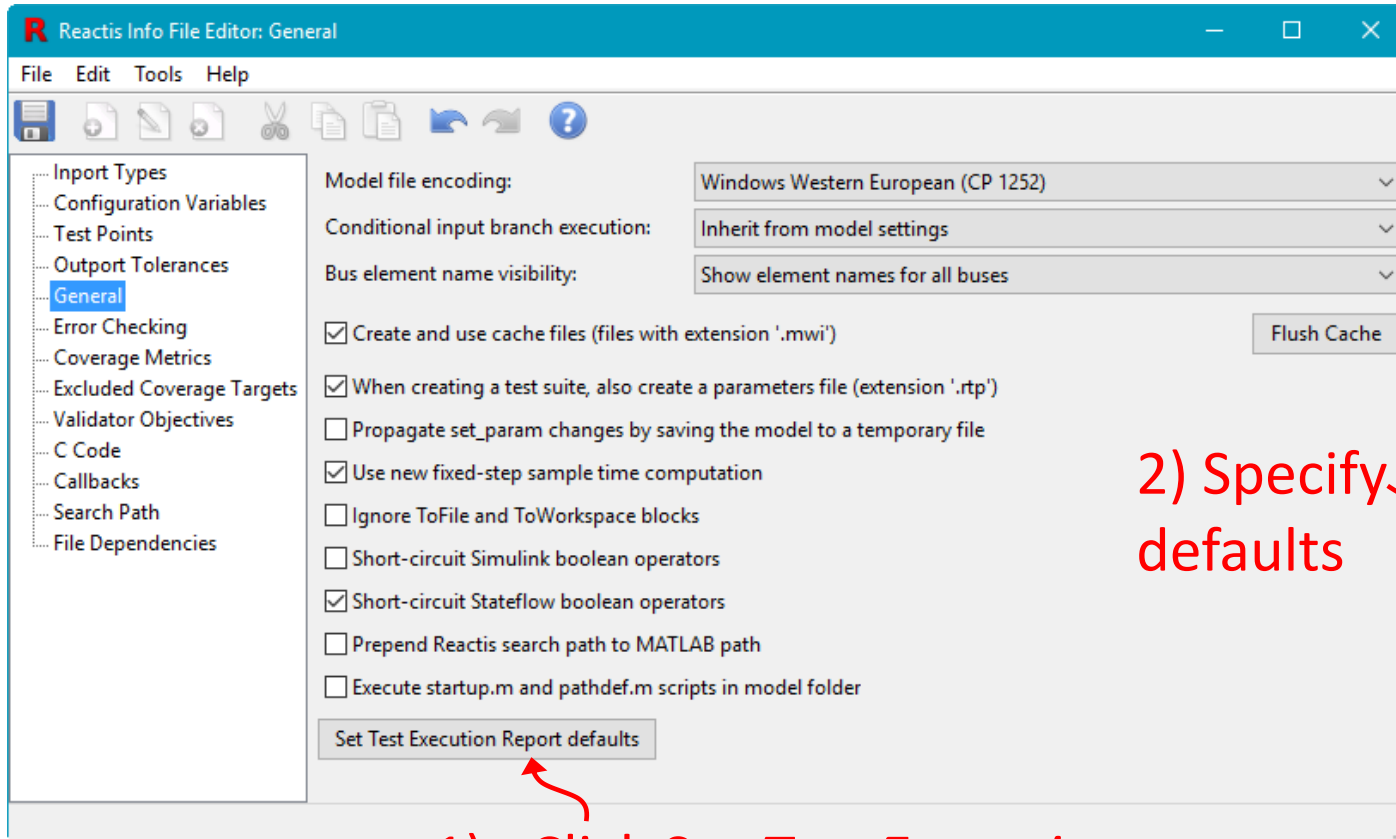## Tolerances for Comparing Computed Values and Test Values

Outputs

Output	Method	Relative	Absolute
active	relative	1e-005	
speed	relative	1e-005	
throttleDelta	min	1e-005	1e-005

Test Points

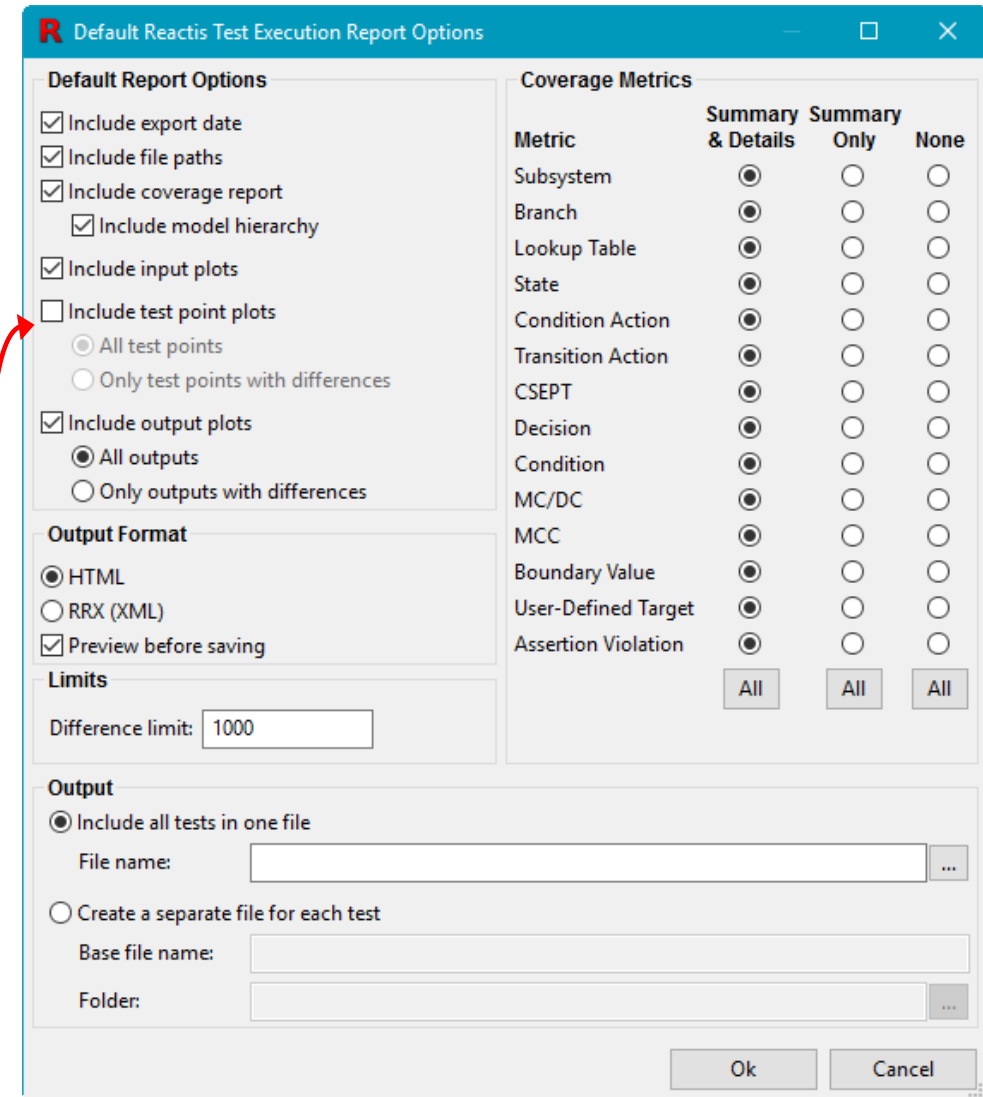| Test Point	Method	Relative	Absolute
*.CruiseMain.CruiseMDL.CruiseMDL.DesiredSpeed|@dSpeed	relative	1e-005	
*.CruiseMain.CruiseMDL.CruiseMDL|@speed	relative	1e-005	

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Test Execution Report Enhancements

Set default report parameters

2) Specify defaults

1) Click Set *Test Execution Report defaults*

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Test Execution Report Enhancements

Include plots for inputs, outputs, test points in report