

Reactis V2018

Released June 27, 2018



Newly Supported Simulink Features

- MATLAB R2018a.
- In Lookup Table block, removed restrictions that output type must match intermediate type.

Open Scopes from Test Suite Browser

Reactis Test-Suite Browser: cruise.rst

File Edit View Filter Help

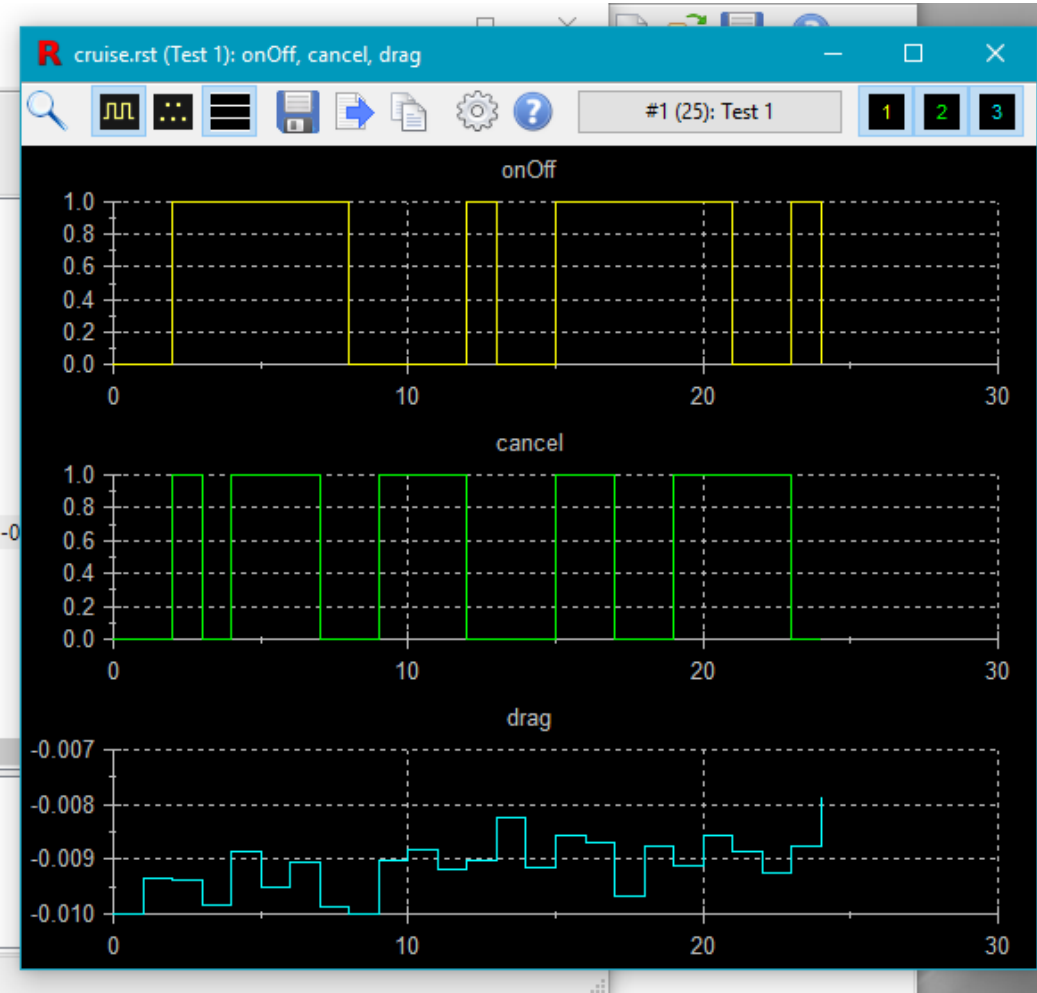
[-10 [-5 [-1 [N [+1 [+5 [+10 [?

#1 (25): Test 1

Test Data Test History Suite History

	Step 1	Step 2	Step 3	Step 4
Inputs				
1: onOff	0.0	0.0	1.0	1.0
2: accelResume	0.0	0.0	0.0	1.0
3: cancel	0.0	0.0	1.0	0.0
4: decelSet	1.0	0.0	0.0	0.0
5: brake	0.0	0.0	0.0	0.0
6: gas	1.0	0.0	0.0	0.0
7: inactiveThrottleDelta	-0.1	-0.1	0.1	-0.1
8: drag	-0.01	-0.0093584...	-0.0093886...	-0.0098222...
Test Points				
*.CruiseMain.CruiseMDL.CruiseMDL deactivate	1.0	1.0	1.0	1.0
Outputs				
1: active	0.0	0.0	0.0	0.0

Configuration Variable	Value
InitialSpeed	10.0



Revamped User-Guided Simulation Dialog

The image shows a software interface for configuring simulation inputs. It features a search bar, control stepping buttons, a list of input signals, and configuration variables. Red callout boxes highlight specific features: 'Search signals' points to the search bar; 'Control stepping' points to the playback controls; 'Select subset of signals to include in dialog' points to the gear icon; and 'Control configuration variables' points to the 'InitialSpeed' variable.

Search signals

Control stepping

Select subset of signals to include in dialog

Control configuration variables

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Revamped User-Guided Simulation Dialog



The 'Next Input Values' dialog box contains a toolbar with navigation buttons and a 'default' dropdown. It is divided into 'Imports' and 'Outputs' sections. The 'Imports' section lists parameters with checkboxes, dropdown menus, and value fields. The 'Outputs' section has a single row for 'active'. The 'Configuration Variables' section is partially visible at the bottom.

Parameter	Checkbox	Type	Value	Unit
accelResume	<input type="checkbox"/>	Entry	0.0	H
brake	<input checked="" type="checkbox"/>	Entry	0.0	H
cancel	<input type="checkbox"/>	Entry	0.0	H
decelSet	<input type="checkbox"/>	Entry	0.0	H
drag	<input checked="" type="checkbox"/>	Entry	$\sin(t) * 0.001$	H
gas	<input type="checkbox"/>	Entry	0.0	H
inactiveThrottleDelta	<input type="checkbox"/>	Random	-0.1	H
onOff	<input type="checkbox"/>	Entry	1.0	H
active	<input checked="" type="checkbox"/>		0.0	

Select subset of signals to include in scope

Expression can reference simulation time (t) or previous values of inputs

Include Comment for Excluded Coverage Targets

R Exclude Target

☐ Track Coverage for this target

☒ Exclude target from coverage tracking

☐ Exclude target from coverage tracking and monitor via assertion

Comment

Excluded by sims on 5/22/2018 at 2:47:53 PM
The min value for the saturation can never occur.

Help Ok Cancel

Enter
comment

Coverage Metric	Target	Covered (Test/Step)
Branch	currentThrottleDelta%b1	3/12
Branch	currentThrottleDelta%b2	1/1
Branch	Saturation%b1	excluded ¹³
Branch	Saturation%b2	unreachable
Branch	Saturation%b3	1/1

¹³. Excluded by sims on 5/22/2018 at 2:47:53 PM
The min value for the saturation can never occur.

Comment
included in
reports

API Improvements

- New functions to remove Validator Objectives and to query the values of parameters in Validator Objectives

New Embedded MATLAB Support

- Support ~ operator to ignore one or more return values of a function.