

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

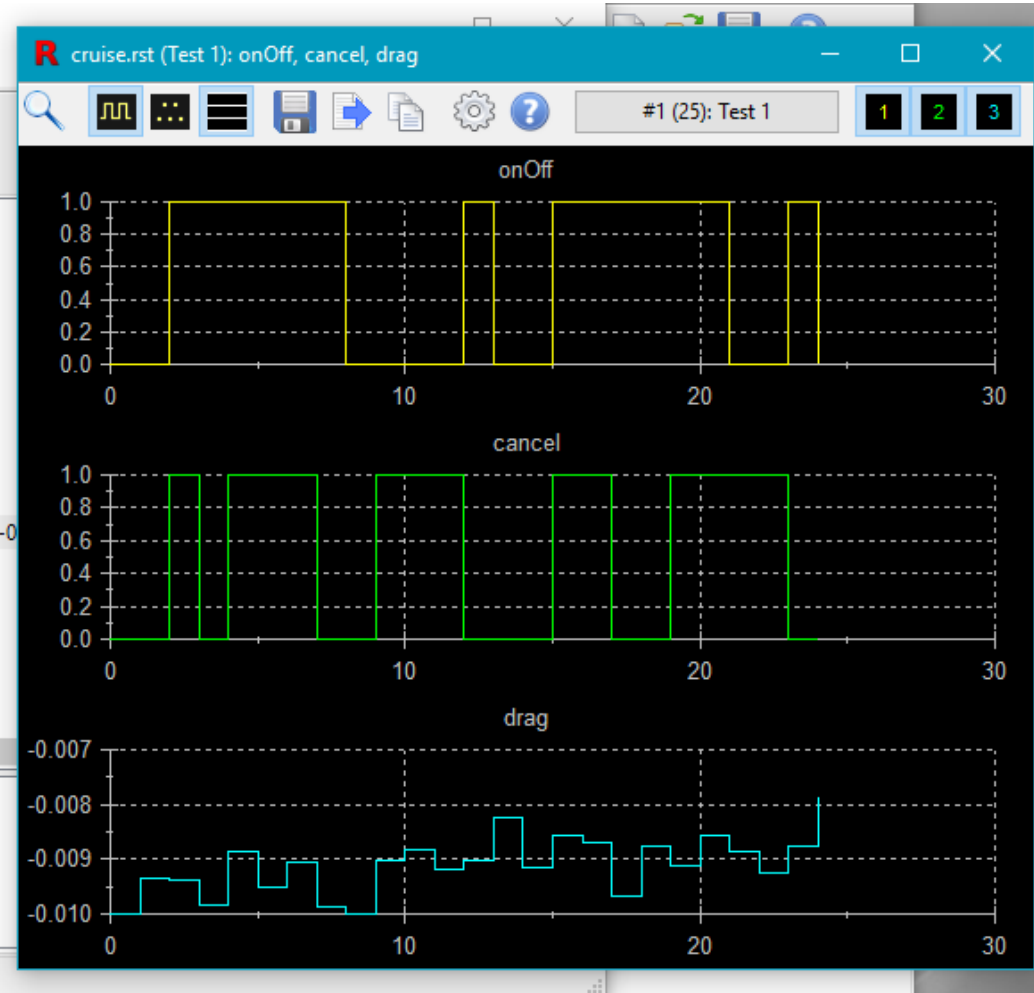
File Edit View Filter Help

#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 at the top left, a control panel with playback buttons and a gear icon, and a list of input variables. Callouts highlight key features: 'Search signals' points to the search bar; 'Control stepping' points to the playback buttons; 'Select subset of signals to include in dialog' points to the gear icon; and 'Control configuration variables' points to the 'InitialSpeed' variable.

Search signals

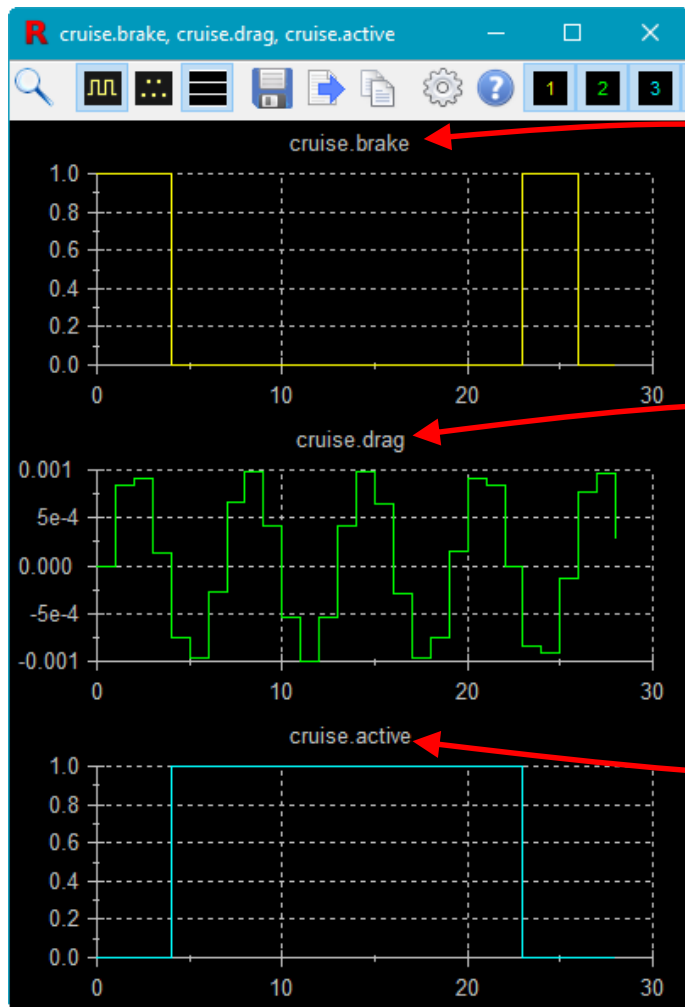
Control stepping

Select subset of signals to include in dialog

Control configuration variables

Variable	Type	Value
accelResume	Random	0.0
brake	Entry	0.0
cancel	Entry	0.0
decelSet	Entry	0.0
drag	Entry	$\sin(t) * 0.001$
gas	Random	0.0
inactiveThrottleDelta	Random	-0.1
onOff	Entry	0.0
InitialSpeed	Random	10.0

Revamped User-Guided Simulation Dialog



The 'Next Input Values' dialog box is shown with various controls. It includes a 'Random' checkbox, a '50' value field, and a 'default' dropdown. Below are sections for 'Inputs' and 'Outputs'. The 'Inputs' section lists variables like 'accelResume', 'brake', 'cancel', 'decelSet', 'drag', 'gas', 'inactiveThrottleDelta', and 'onOff'. The 'Outputs' section lists 'active'. The 'drag' input is set to 'sin(t) * 0.001'. The 'active' output is checked. A 'Configuration Variables' section at the bottom shows a '30.0' value.

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.