

Reactis V2011

Released June 23, 2011



New Simulink Support

- ▶ MATLAB R2011a
- ▶ Function-Call Split block
- ▶ Rate Limiter block
- ▶ Enumerated types in S-Functions and Legacy Code blocks

New Tester Launch Dialog

How long to run? →

- ▶ time
- ▶ steps
- ▶ random/targeted steps

Reactis Tester: cruise.slx

Preload Files: Prune Use Virtual Sources

Run for: hours minutes
 30000 steps
 5 tests in random phase
 steps per random test prune tests
 steps in targeted phase

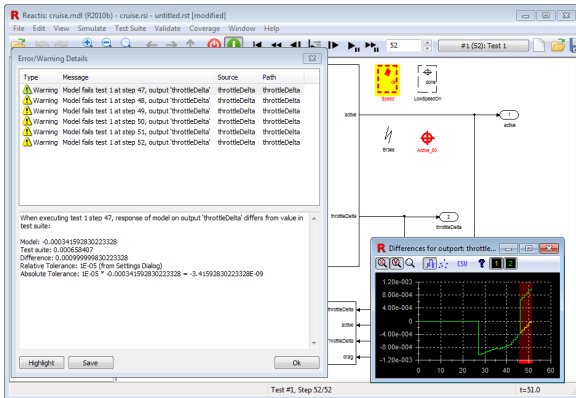
Coverage Objectives:

<input checked="" type="checkbox"/> Conditional Subsystems	<input checked="" type="checkbox"/> Decisions
<input checked="" type="checkbox"/> Branches	<input checked="" type="checkbox"/> Conditions
<input checked="" type="checkbox"/> Lookup Targets	<input checked="" type="checkbox"/> MC/DC
<input checked="" type="checkbox"/> States	<input checked="" type="checkbox"/> MCC
<input checked="" type="checkbox"/> Condition Actions	<input checked="" type="checkbox"/> Boundaries
<input checked="" type="checkbox"/> Transition Actions	<input checked="" type="checkbox"/> User-Defined Targets
<input checked="" type="checkbox"/> CSEPT	<input checked="" type="checkbox"/> Assertion Violations

Additional Parameters:

Output File:

Separate Tolerance for Each Output



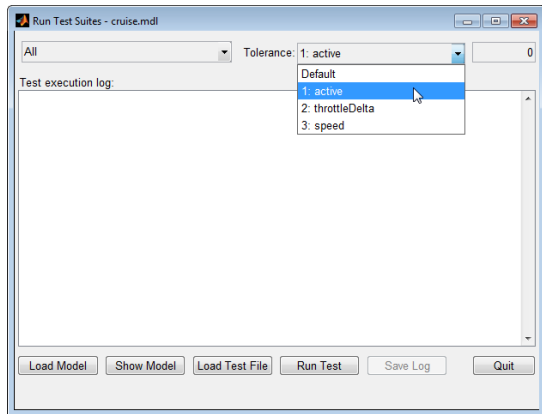
When running tests, Reactis flags output differences between model and test suite.

Tolerance

Old: global

New: different tolerance possible for each output

Separate Tolerance for Each Output



Tolerances flow through to runtests

Model Search

The screenshot displays the Reactis software interface for a file named "cruise.mdl (R2010b) - cruise.rsi". The main window shows a complex logic diagram with various components and connections. A search dialog box titled "Search in CruiseMDL" is open, showing the search term "brake" and options for "Match whole word only" and "Match case". The search results are highlighted in the diagram, showing the word "brake" in a yellow box and the word "activate" in a blue box. The search dialog also includes a "Find Next" button and a "Cancel" button. The diagram includes components like "cancel", "brake", "gas", "From", "OR", "NOT", "AND", "XOR", "activate", "onOff", "set", "Mode", "activate1", "notd", "decelSet", "accelResume", "onOff", "activate", "set", "Mode", "mode", "activate", "onOff", "set", "Mode".

Copy System Path

The image shows a software interface for Reacis, titled "Reacis: cruise.mdl (R2010b) - cruise.rsi". The main window displays a system diagram with components like "CruiseMain", "CruiseMDI", "Deactivate", "activate", and "mode". A context menu is open over the "CruiseMDI" component, with "Copy System Path" selected. A secondary window titled "new 2 - Notepad++" is open in the foreground, showing the text "cruise/CruiseMain/CruiseMDI" on line 1. A context menu is also open over this text, with "Paste" selected. The Notepad++ window shows the file path "cruise/CruiseMain/CruiseMDI" and status information: "length: 27 |ir Ln: 1 Col: 28 Sel: 0".

Other Items

- ▶ Extract subsystem option to not extract trigger mechanism when extracting
- ▶ Improved model initialization performance subsystem