

The Reactis Communicator

To : Reactis Users
From : Reactive Systems, Inc.
http://www.reactive-systems.com/
Date : April 11, 2002

This is the first installment of "The Reactis Communicator", a low volume mailing list for conveying information about Reactis, RSI's embedded software design automation tool suite.

The inaugural members of the list are people who have requested information or an evaluation license for Reactis. If you are no longer interested in Reactis, please see the instructions below for removing yourself from the list and we apologize for the intrusion.

We are pleased to announce that Reactis V2002b3 is now available. The currently available components are Reactis Tester and Reactis Simulator which offer automatic generation of comprehensive yet concise test suites from Simulink/Stateflow models. Many thanks to the valuable feedback given by evaluators of V2002b1 and V2002b2. The third beta release of the tool includes several new features and many bug fixes. The new features include:

1. Two new coverage metrics measure coverage of the Simulink portions of models. The new metrics guide the targeted phase of Tester and are visualized in Simulator. The new metrics are "conditional subsystem coverage" which records which condition subsystems have executed and "branch coverage" which records which branches of several types of Simulink blocks have executed. The block types with branches that are currently included in the metric are switch, multipoint switch, relational operator, dead zone, and saturation.
2. Tester now includes a preload phase during which an existing test suite may be loaded for extension during the random and targeted phases of test generation. This capability enables the following type of synergistic use of Tester and Simulator to construct good test suites:
 - (a) Create a test suite foo.rst with Tester.
 - (b) Load foo.rst into Simulator and manually improve it by adding tests that achieve new coverage and save the modified suite as foo.rst'.
 - (c) Rerun Tester preloading the modified foo.rst'.
 - (d) Repeat the process if necessary.
3. Tester now allows the user to specify the name of the generated .rst file.
4. When Tester is interrupted during the targeted phase, the portion of the test suite already generated is saved to an .rst file.
5. The license manager now supports concurrent licenses.

6. The menus in the top-level Reactis window have been slightly reorganized.
7. Reactis-generated test suites may now be exported to a .m file which may be loaded into Simulink and used to drive simulations. See the "Reactis User's Guide" for details.
8. The "Reactis User's Guide" has been substantially expanded.

Download and installation instructions are available at:

<http://www.reactive-systems.com/beta-login.msp>

If you have forgotten your password (or not yet received one), please send a password request to info@reactive-systems.com.

Tell a friend! If you know someone interested in joining the Reactis Communicator mailing list, please have them send an e-mail to reactis-subscribe@reactive-systems.com (no subject or body content are required in the message).

Please note that to keep volume low and avoid abuse by spammers, we have configured the list so that only RSI may post messages. A web-based forum is planned for direct exchange of ideas among Reactis users.

Regards,

The Reactis Team