DANLAW®

☑ MxSuite

MxSuite™ Features for Simulink

From Concept Through Realization

Danlaw's Simulink Connector for MxSuite provides superior capabilities for testing Simulink/Slateflow models. Create your design documents while you continuously explore and experiment with concepts. The MxSuite GUI lets you quickly create tests and acceptance criteria to validate the behavior of your control model. Adjust the pass-fail criteria for expected responses with just a few clicks of the mouse.

When used in conjunction with MxSuite connector transforms for HIL equipment, unit test cases are completely reused from your simulation tests. Reuse is bidirectional - you can import data from HIL experiments to create more test cases.

You can even use probes around internal subsystems to capture unit test cases data for the subsystems as you test your system simulation. You do not have to keep recreating tests by hand to attain full test coverage.

Graphical Test Case for Transfer Function Testing
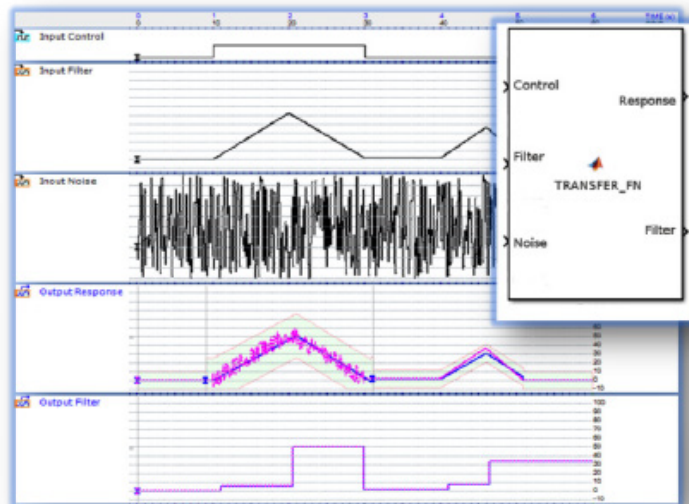
Benefits

System requirements generation from test cases to provide complete executable specifications

Seamless life-cycle coverage from experimental concepts through rapid prototyping and automatic code generation

Construct behavioral experiments and validation data for later use during software and ECU testing

Achieve full MC/DC coverage testing during simulation as measured by MathWorks tools

Full test case portability whether in simulation, code or target ECU

Contact Us

Danlaw, Inc.
41131 Vincenti Court
Novi, Michigan 48375 USA
Tel: 1 (248) 476-5571
Fax: 1 (248) 471-4485
sales@danlawinc.com

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Features

Fully integrated with MATLAB Simulink r2010 and later

Powerful graphic signal editor with built-in acceptance criteria thresholds

Fast, full system test coverage

Automatic harnessing or system or subsystem models

Complete reuse of test vectors

Full support for bus types and complex signal types

Probes help you capture lower level subsystem inputs/outputs as you validate the highest level subsystem

Co-simulate features using MxSuite virtual ECUs

Don't waste time in your product development life cycle. Use our expert tool to efficiently and fully test your simulation models.