# Reactis V2013.2

Released December 17, 2013



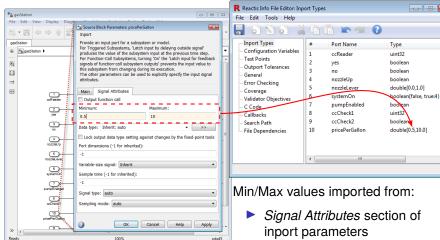


## New Simulink Support

- ► R2013b.
- Stateflow charts containing Simulink functions.
- Absolute time temporal logic in Stateflow. Keywords sec, msec, usec in temporal logic expressions. E.g. after(3,sec).
- Extended subset of Embedded MATLAB.
  Integer types: uint8, int8, uint16, int16, uint32, int32
  Bit operations: bitset, bitget, bitand, bitor, bitxor, bitcmp, bitshift
  - Other functions: true, false, intmax, intmin
- Additional settings of Multiport Switch block.



### Import Inport Ranges





- Signal Attributes section of inport parameters
- Simulink. Signal object attached to signal emerging from inport



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#### No Short-Circuiting

Α	В	С	Decision
F	F	F	F
F	F	Т	F
F	Т	F	F
F	Т	Т	F
Т	F	F	F
Т	F	Т	F
Т	Т	F	F
Т	Т	Т	Т



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F	F	F	F
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F	Т	Т	F
Т	F	F	F
Т	F	Т	F
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Т	Т	Т	T

#### **Short-Circuiting**

В	С	Decision
Х	Х	F
F	Х	F
Т	F	F
Т	Т	Т
	x F T	x x F x T F



### MCC Now Supported by Reactis for C Plugin

- V2013 added MCC tracking for Simulink and Stateflow
- V2013.2 C Plugin tracks MCC for C code in S-Functions and Stateflow custom code



### Reactis for C Plugin Enhancements

Stub file generator. Produces source file that contains definitions of missing functions and variables.

Support for C99 compound literals. E.g. (float[2]) {2.7, 3.1}

Improved error messages. Errors due to missing typedef names and typedef names which conflict with a variable or function name are distinguished from ordinary syntax errors.

