Reactis V2016.2
Released December 22, 2016

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New Simulink Support

- ► R2016b.
- ► Simulink.Parameter objects to initialize bus values.
- ► Commenting out/through blocks.
- ► The "External reset" setting of the Delay block.
- ► The "Resettable Subsystem" block.

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Absolute Tolerance for Output Comparison

- ▶ When running a test suite, Reactis compares output values computed by the model against the output values from tests and flags any differences.
- ▶ To avoid reporting insignificant differences, Reactis let's you specify a tolerance to be used for this comparison.
- ▶ Previously only a relative tolerance could be specified.
- ▶ Beginning in V2016.2 you can alternatively specify an absolute tolerance.

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Unpack Bus Inputs

- ▶ Having large buses at the top-level of a model can be unwieldy when testing.
- ▶ To simplify testing such models, Reactis now includes a capability to unpack top-level buses and create top-level scalar inputs corresponding to each bus element.
- ▶ Unpack routine can also do a data flow analysis of the model and only create inputs for bus elements that are actually used in the model.

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New API Functions

- *rsUnpackBusInports* creates a wrapper model that splits up bus inports into separate scalar inputs.
- *rsTesterGetNumStepsTaken* retrieves the number of steps taken when running Tester in asynchronous mode.

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Reactis for C Plugin Enhancements

- ▶ Added support for GNU statement expressions.
- ▶ Improved parsing of GCC "asm" directives. This fixes parse errors if such directives occur in the C program. Note that the directives themselves (and all assembler code within them) are ignored by the Reactis for C plugin.
- ▶ Improved parsing of GCC "attribute" and MSVC "declspec" directives. Note that while those directives can be parsed, they are ignored by the Reactis for C plugin.

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Thank You!

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