

# Reactis V2019

Released June 28, 2019



# New Simulink Support

- ▶ R2019a.
- ▶ Discrete FIR Filter block.
- ▶ In/Out Bus Element blocks.
- ▶ Bus output/input for Pre-Lookup and Interpolation blocks.
- ▶ LookupTable and Breakpoint data objects to specify lookup tables.
- ▶ 4-dimensional lookup tables if all types are uniform floating-point types.
- ▶ Placing Model Reference blocks within Variant Subsystem blocks.
- ▶ Bus access within S-Function.
- ▶ Stateflow charts in libraries where different instances use different data types.

# Reactis for EML Plugin

The supported subset of Embedded MATLAB has been extended to include:

- ▶ Functions: sort, norm, erf, polyfit, expm.
- ▶ The use of line continuation (...) in more places.
- ▶ The use of line continuation (...) as an end of line comment.
- ▶ Casting enumerated values to numeric values.
- ▶ The use of enumerated types referenced only in EML and not from Simulink.
- ▶ Accessing constant properties of MATLAB objects.

# Other improvements

- ▶ When synchronizing top-level input ports, Reactis now imports min/max values set within Simulink bus objects.
- ▶ If a coverage target is excluded in a referenced model then it will also be excluded in the parent model.
- ▶ Show simulation step count when running Tester with time limit.
- ▶ Improved highlighting and reporting of unreachable assertions.
- ▶ Added “min” and “max” settings in user-guided simulation which will set the minimum/maximum allowed value for the given port.
- ▶ Produce fewer and more specific warnings about Data Store Read/Write blocks without priorities.

- ▶ rsRunTests now supports models with buses on top-level output ports.