

# Reactis V2014.2

Released December 19, 2014



# New Simulink Support

- ▶ R2014b.
- ▶ Arrays of buses in Simulink.
- ▶ “For Each” blocks in Simulink.
- ▶ 3-d lookup tables and Interpolation blocks.
- ▶ Larger subset of Embedded MATLAB. Now supported:
  - ▶ Enumerated types
  - ▶ Buses (i.e. structures)
  - ▶ Arrays of buses
  - ▶ “break” statement in loops
  - ▶ calls to the “size” function with two arguments
  - ▶ matrix division

# New Coverage Targets: Saturate on Integer Overflow

- ▶ If *Saturate on integer overflow* turned on for block, **Reactis** tracks:
  - ▶ Saturation occurred at maximum
  - ▶ Saturation occurred at minimum
  - ▶ No Saturation occurred
- ▶ New targets included in boundary value coverage.
- ▶ Off by default; turned on from Edit → Coverage.
- ▶ In Simulator, border of block with uncovered targets drawn in red; hover for details.

# Other Enhancements

- ▶ When using the “runtests” utility, changes to the model are no longer necessary for models with enumerated or fixpoint type top-level input ports.
- ▶ The report generated by *Simulate* → *Fast Run with Report...* can now be saved as XML.