Reactis V2021.2

Released December 23, 2021

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Interval Coverage for Outports, Test Points

For each harness outport and test point:

- User can specify list of intervals
- Reactis tracks if item assumes value from each interval
- Special *not initial value* interval tracks if each outport has had a value different from its initial value

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Faster Test Suite Execution

- Suites generated by Reactis Tester contain tests with shared prefixes
- In V2021.2, shared prefixes are cached and only executed once when running suites in Reactis Simulator
- Depending on test suite structure and model size, the optimization can yield big speedups

Range with Resolution for Integer Inports

Inport constraints for harness inports limit values used for test generation.

- Prior versions supported range with resolution for floating point inports: `double [1.0:2.0:9.0]` denotes `1.0, 3.0, 5.0, 7.0, 9.0`
- V2021.2 supports range with resolution for integer inports: `uint8 [1:2:9]` denotes `1, 3, 5, 7, 9`

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Other Improvements

- Support for MATLAB R2021b
- The analysis to flag dead code has been improved to identify more targets as unreachable
- Better coverage of some timer targets
- Display mask parameters and mask initialization code in block parameters
- Support variant control expressions containing logical operators (`||` or `&&`)
- In Reactis Validator expressions placed in Stateflow charts, a new `in_state` function can be used to determine whether a Stateflow state (within the same chart) is currently active

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