

Reactis V2022.2

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C Caller Block

- ▶ Introduced in MATLAB R2018b.
- ▶ Call C function from Simulink.
- ▶ Reactis for C Plugin V2022.2 supports white-box testing:
 - ▶ Tester identifies targets in C code and generates tests to exercise.
 - ▶ Simulator steps into C code from Simulink to view coverage, variable values.
- ▶ Without plugin, Reactis V2022.2 supports black-box testing: C Caller blocks execute but no code coverage tracking or stepping into code.

Newly Supported Simulink Features

- ▶ MATLAB R2022b.
- ▶ Simulink matrix operation blocks: Submatrix, Permute Matrix, IsTriangular, IsSymmetric, Identity Matrix, Create Diagonal Matrix, Extract Diagonal
- ▶ Inverse hyperbolic operations for Trigonometric Function block.
- ▶ Multiple action tags in Stateflow charts using the MATLAB action language.

Other Improvements

- ▶ Support coverage tracking for Lookup Table blocks with 3 or 4 dimensions.
- ▶ Allow comments in Validator expression objectives.
- ▶ Allow exporting floating-point values to .csv files as IEEE754 binary data.