

Resource Summary Report

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Simulink

RRID:SCR_014744

Type: Tool

Proper Citation

Simulink (RRID:SCR_014744)

Resource Information

URL: <https://www.mathworks.com/products/simulink/>

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Description: Block diagram environment that contains a graphical editor, customizable block libraries, and solvers for multidomain simulation and model-based design in MATLAB. It supports simulation, automatic code generation, and continuous test and verification of embedded systems.

Resource Type: software toolkit, software application, simulation software, software resource

Keywords: matlab, block diagram, multidomain simulation, simulation software, model based design, automatic code generation

Funding:

Availability: Commercially available, Free trial available

Resource Name: Simulink

Resource ID: SCR_014744

License URLs:

https://www.mathworks.com/company/aboutus/policies_statements.html?s_tid=gf_priv

Record Creation Time: 20220129T080322+0000

Record Last Update: 20250509T060105+0000

Ratings and Alerts

No rating or validation information has been found for Simulink.

No alerts have been found for Simulink.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 299 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Reynolds RF, et al. (2025) Effects of Altered Haptic Feedback Gain Upon Balance Are Explained by Sensory Conflict Estimation. The European journal of neuroscience, 61(1), e16670.

Li T, et al. (2025) Improved GOA-based fuzzy PI speed control of PMSM with predictive current regulation. PloS one, 20(1), e0318094.

Buchmann A, et al. (2025) How knee muscles and ground reaction forces shape knee buckling and ankle push-off in neuromuscular simulations of human walking. Scientific reports, 15(1), 2249.

Tao W, et al. (2025) Design and experimental study of tillage depth control system for electric rotary tiller based on LADRC. Scientific reports, 15(1), 1740.

Liu Y, et al. (2025) Event-Trigger Reinforcement Learning-Based Coordinate Control of Modular Unmanned System via Nonzero-Sum Game. Sensors (Basel, Switzerland), 25(2).

Elnaghi BE, et al. (2025) Validation of energy valley optimization for adaptive fuzzy logic controller of DFIG-based wind turbines. Scientific reports, 15(1), 711.

Nur-E-Alam M, et al. (2025) Optimization of energy management in Malaysian microgrids using fuzzy logic-based EMS scheduling controller. Scientific reports, 15(1), 995.

Xu X, et al. (2025) ATK-B-PID: an adaptive control method for micro tension under complex hot rolling conditions. Scientific reports, 15(1), 2050.

Ayyoubi AH, et al. (2024) Benchmarking signal quality and spatiotemporal distribution of interictal spikes in prolonged human iEEG recordings using CorTec wireless brain interchange. Scientific reports, 14(1), 2652.

Zhiduan C, et al. (2024) A unified SVPWM fault tolerant control algorithm for single leg fault

reconstruction topology of two-level inverter. Scientific reports, 14(1), 8819.

Wong AL, et al. (2024) Different Sensory Information Is Used for State Estimation when Stationary or Moving. eNeuro, 11(9).

Kong W, et al. (2024) PID control algorithm based on multistrategy enhanced dung beetle optimizer and back propagation neural network for DC motor control. Scientific reports, 14(1), 28276.

Laudenschlager S, et al. (2024) Estimation of pulmonary vascular resistance for Glenn physiology. PloS one, 19(7), e0307890.

Liaqat I, et al. (2024) Spatially targeted chemokine exocytosis guides transmigration at lymphatic endothelial multicellular junctions. The EMBO journal, 43(15), 3141.

Cheli F, et al. (2024) Precision Agriculture Applied to Harvesting Operations through the Exploitation of Numerical Simulation. Sensors (Basel, Switzerland), 24(4).

Thum KY, et al. (2024) Effect of RVAD Cannulation Length on Right Ventricular Thrombosis Risk: An In Silico Investigation. Annals of biomedical engineering, 52(6), 1604.

Kober SE, et al. (2024) Do Miniature Eye Movements Affect Neurofeedback Training Performance? A Combined EEG-Eye Tracking Study. Applied psychophysiology and biofeedback, 49(2), 313.

Dogdu MF, et al. (2024) The comparison of gasoline powered vehicle and serial hybrid vehicle on emissions. Heliyon, 10(9), e28532.

Read JCA, et al. (2024) Understanding accommodative control in the clinic: Modeling latency and amplitude for uncorrected refractive error, presbyopia and cycloplegia. Journal of vision, 24(3), 4.

Cherukuru P, et al. (2024) CNN-based noise reduction for multi-channel speech enhancement system with discrete wavelet transform (DWT) preprocessing. PeerJ. Computer science, 10, e1901.