Resource Summary Report

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EDLUT

RRID:SCR_014261
Type: Tool

Proper Citation

EDLUT (RRID:SCR_014261)

Resource Information

URL: https://code.google.com/archive/p/edlut/

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Description: Simulation software which creates spiking cell models using either a time-driven strategy or an event-driven strategy based on look-up tables. EDLUT serves as a tool for studying the computational principles of neural systems to reveal how different functionalities of the brain and central nervous system are based on cell and topology properties.

Synonyms: EDLUT: Event-Driven simulator based on Look-Up-Tables, Event-Driven simulator based on Look-Up-Tables

Resource Type: software application, software resource, simulation software

Defining Citation: DOI:10.1162/neco.2006.18.12.2959

Keywords: spiking neural network, simulation software,

Funding:

Availability: Open source, Available for download

Resource Name: EDLUT

Resource ID: SCR_014261

License: GNU GPL v3

Record Creation Time: 20220129T080319+0000

Record Last Update: 20250522T060856+0000

Ratings and Alerts

No rating or validation information has been found for EDLUT.

No alerts have been found for EDLUT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Antonietti A, et al. (2019) Control of a Humanoid NAO Robot by an Adaptive Bioinspired Cerebellar Module in 3D Motion Tasks. Computational intelligence and neuroscience, 2019, 4862157.

Luque NR, et al. (2019) Spike burst-pause dynamics of Purkinje cells regulate sensorimotor adaptation. PLoS computational biology, 15(3), e1006298.

Naveros F, et al. (2017) Event- and Time-Driven Techniques Using Parallel CPU-GPU Co-processing for Spiking Neural Networks. Frontiers in neuroinformatics, 11, 7.