

Resource Summary Report

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Neural Simulation Language

RRID:SCR_007308

Type: Tool

Proper Citation

Neural Simulation Language (RRID:SCR_007308)

Resource Information

URL: <http://www.neuralsimulationlanguage.org/about.html>

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Description: NSL, Neural Simulation Language, is a simulation system for large-scale general neural networks. NSL provides a simulation environment simplifying the task of modeling neural networks. In particular, NSL supports neural models having as basic data structure neural layers with similar properties and similar connection patterns, where neurons are modeled as leaky integrators with connections subject to diverse learning rules. Development of NSL has gone hand in hand with modeling of neural mechanisms underlying visuomotor coordination, with special emphasis on the analysis of data from anurans, monkeys, and humans. NSL follows an object-oriented design, providing higher level programming abstraction corresponding to neural elements. NSL provides system development tools, such as visualization capabilities and a run-time interpreter, which give the user powerful tools in developing and analyzing models. NSL has been widely used throughout the world for both teaching and research. simulation; software

Synonyms: NSL

Resource Type: data processing software, software application, software resource

Resource Name: Neural Simulation Language

Resource ID: SCR_007308

Alternate IDs: nif-0000-00164

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260903T235936+0000

Ratings and Alerts

No rating or validation information has been found for Neural Simulation Language.

No alerts have been found for Neural Simulation Language.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.