

Resource Summary Report

Generated by SPARC SAWG on Sep 16, 2026

CNrun

RRID:SCR_014761

Type: Tool

Proper Citation

CNrun (RRID:SCR_014761)

Resource Information

URL: <http://johnhommer.com/academic/code/cnrun/>

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Description: Neuronal network model simulator for both individual neurons and networks of neurons. It uses NeuroML for network description. Various neuron and synapse model types are supported. CNN features include: an integration cycle which uses a Runge–Kutta 6-5-order method, extensive scripting capabilities, individual unit state introspection from scripts, and neuroplastic processes identified by label or regexp.

Resource Type: simulation software, software application, software resource, source code, standalone software

Keywords: neuron, synapse, neural network, model, simulator, simulation software, source code, standalone software

Availability: Available for download

Resource Name: CNrun

Resource ID: SCR_014761

Alternate URLs: <https://sourceforge.net/projects/cnrun/>

License: GNU General Public License version 2.0

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260912T200348+0000

Ratings and Alerts

No rating or validation information has been found for CNrun.

No alerts have been found for CNrun.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Parekh R, et al. (2013) Neuronal morphology goes digital: a research hub for cellular and system neuroscience. Neuron, 77(6), 1017.