

# Resource Summary Report

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## NeoCortical Simulator

RRID:SCR\_014257

Type: Tool

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### Proper Citation

NeoCortical Simulator (RRID:SCR\_014257)

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### Resource Information

**URL:** <http://www.cse.unr.edu/brain/ncs>

**Proper Citation:** NeoCortical Simulator (RRID:SCR\_014257)

**Description:** A neural simulator which models integrate-and-fire neurons with conductance-based synapses. NCS supports simulations for larger models and also supports real-time neurorobotics applications. Two versions of NCS are available: NCS 5, which is based on CPU cluster; and NCS 6, a multi-box, multi-GPU version. NCS 5 models integrate-and-fire neurons with conductance-based synapses using two clusters: four SUN 4600 machines and 208 Opteron cores. NCS 6 is a neural simulator for heterogeneous clusters of both CPUs and GPUS.

**Abbreviations:** NCS

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

**Keywords:** simulation software, neural simulator, conductance based synapse, neurobotics

**Availability:** Source code is available

**Resource Name:** NeoCortical Simulator

**Resource ID:** SCR\_014257

**License:** <http://www.cse.unr.edu/~brain/ncs6/license.pdf>

**Record Creation Time:** 20220129T080319+0000

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### Ratings and Alerts

No rating or validation information has been found for NeoCortical Simulator.

No alerts have been found for NeoCortical Simulator.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.