

Resource Summary Report

Generated by SPARC SAWG on Sep 12, 2026

Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)

RRID:SCR_014178

Type: Tool

Proper Citation

Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)
(RRID:SCR_014178)

Resource Information

URL: <http://www.nitrc.org/projects/vertex>

Proper Citation: Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)
(RRID:SCR_014178)

Description: A Matlab tool for simulating extracellular potential recordings in spiking neural network (SNN) models. VERTEX is designed to facilitate the simulation of extracellular potentials generated by activity in SNNs; in particular, spatially-organised networks containing thousands or hundreds of thousands of neurons. It has a limited scope but has a simpler user interface so that a simulation can be specified simply by setting some parameters and run using a few function calls.

Abbreviations: VERTEX

Synonyms: Virtual Electrode Recording Tool for EXtracellular potentials

Resource Type: simulation software, software application, software resource

Defining Citation: [PMID:24863422](https://pubmed.ncbi.nlm.nih.gov/24863422/)

Keywords: simulation software, matlab, extracellular potential, spiking neural network model, snn model

Availability: Available to the research community

Resource Name: Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)

Resource ID: SCR_014178

License: Non-Commercial Software License Agreement

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260912T195813+0000

Ratings and Alerts

No rating or validation information has been found for Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX).

No alerts have been found for Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX).

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.