

# Resource Summary Report

Generated by T1D on Jul 31, 2026

## Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)

RRID:SCR\_014178

Type: Tool

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### Proper Citation

Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)  
(RRID:SCR\_014178)

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### Resource Information

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

**Proper Citation:** Virtual Electrode Recording Tool for EXtracellular potentials (VERTEX)  
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**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:** software resource, software application, simulation software

**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:** 20260801T042725+0000

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## 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).

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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.