## **Resource Summary Report**

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# 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

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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

**Keywords:** simulation software, matlab, extracellular potential, spiking neural network

model, snn model

**Funding:** 

**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:** 20250513T061523+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.