

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

VORTEX

RRID:SCR_019280

Type: Tool

Proper Citation

VORTEX (RRID:SCR_019280)

Resource Information

URL: <https://scti.tools/vortex/>

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Description: Software tool to model population dynamics as discrete, sequential events that occur according to probabilities that are random variables following user-specified distributions. Simulation of deterministic forces as well as demographic, environmental and genetic stochastic events on wildlife populations. Can model many of extinction vortices that can threaten persistence of small populations.

Resource Type: simulation software, software application, software resource

Keywords: Deterministic forces simulation, population dynamics model, discrete events, sequential events, random variables, user specified distributions, SCTI

Availability: Free, Available for download, Freely available

Resource Name: VORTEX

Resource ID: SCR_019280

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260905T132848+0000

Ratings and Alerts

No rating or validation information has been found for VORTEX.

No alerts have been found for VORTEX.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Hennings V, et al. (2022) The presence of serum anti-SARS-CoV-2 IgA appears to protect primary health care workers from COVID-19. *European journal of immunology*, 52(5), 800.

Anthonyamy WJB, et al. (2022) Limited gene flow and pronounced population genetic structure of Eastern Massasauga (*Sistrurus catenatus*) in a Midwestern prairie remnant. *PloS one*, 17(3), e0265666.

Accorsi A, et al. (2021) Image3C, a multimodal image-based and label-independent integrative method for single-cell analysis. *eLife*, 10.

Ross AK, et al. (2021) Headstarting as a cost-effective conservation strategy for an endangered mammal. *Current biology : CB*, 31(10), R465.