Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

GNU Octave

RRID:SCR_014398
Type: Tool

Proper Citation

GNU Octave (RRID:SCR_014398)

Resource Information

URL: https://www.gnu.org/software/octave/

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Description: A high-level language, primarily intended for numerical computations. It provides a convenient command line interface for solving linear and nonlinear problems numerically, and for performing other numerical experiments. It may also be used as a batch-oriented language. Octave has extensive tools for solving common numerical linear algebra problems, finding the roots of nonlinear equations, functions written in the Octave language, or by using dynamically loaded modules written in C, C++, Fortran, or other languages., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: Octave

Resource Type: software resource, programming language

Defining Citation: DOI:10.1016/j.jprocont.2012.04.006

Keywords: command-line, free software, array programming, programming language, mathematics, reproducible research,

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: GNU Octave

Resource ID: SCR_014398

Alternate URLs: https://directory.fsf.org/wiki/Octave, https://sources.debian.org/src/octave/

License: GNU General Public License

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260808T190512+0000

Ratings and Alerts

No rating or validation information has been found for GNU Octave.

No alerts have been found for GNU Octave.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 247 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Dycks V, et al. (2026) Determination of Thermal DNA-Stability With Respect to PCR or How to Debunk a Pseudoscientific Claim. Biochemistry and molecular biology education : a bimonthly publication of the International Union of Biochemistry and Molecular Biology, 54(1), 49.

Roué JM, et al. (2025) Objective Detection of Newborn Infant Acute Procedural Pain Using EEG and Machine Learning Algorithms. Paediatric & neonatal pain, 7(1), e70001.

Koenig LW, et al. (2025) Apportioned voting. PloS one, 20(3), e0317580.

Davis JJJ, et al. (2025) Two methodologies for brain signal analysis derived from Freeman Neurodynamics. Frontiers in systems neuroscience, 19, 1570231.

Schultz H, et al. (2025) Concurrent representations of reinstated and transformed memories and their modulation by reward. Imaging neuroscience (Cambridge, Mass.), 3.

Ouardouz M, et al. (2025) Hippocampal-prefrontal functional neural networks in a rat model of fragile X syndrome are poorly organized with limited resiliency. Scientific reports, 15(1), 16089.

Qian C, et al. (2025) A mutual mapping model of cross-sections between the axial and normal planes of ball screws based on the forming of helical ball track. Scientific reports, 15(1), 17205.

Santos JR, et al. (2025) Predicting the Regenerative Potential of Retinal Ganglion Cells Based on Developmental Growth Trajectories. bioRxiv : the preprint server for biology.

Hogues H, et al. (2025) Improved Structure-Based Histidine pKa Prediction for pH-Responsive Protein Design. Journal of chemical information and modeling, 65(3), 1560.

Yilmaz C, et al. (2025) The complexity of human subjective experience during binocular rivalry. Neuroscience of consciousness, 2025(1), niaf004.

Straus C, et al. (2025) Ventilatory Complexity Persists in Phox2b Mutant Mice Lacking the Retrotrapezoid Nucleus/Parafacial Respiratory Group (RTN/pFRG) and in Humans With Congenital Central Hypoventilation Syndrome. The Journal of comparative neurology, 533(12), e70117.

Liebe S, et al. (2025) Phase of firing does not reflect temporal order in sequence memory of humans and recurrent neural networks. Nature neuroscience, 28(4), 873.

Schmitter CV, et al. (2024) Facilitation of sensorimotor temporal recalibration mechanisms by cerebellar tDCS in patients with schizophrenia spectrum disorders and healthy individuals. Scientific reports, 14(1), 2627.

Miljkovi? N, et al. (2024) Data augmentation for generating synthetic electrogastrogram time series. Medical & biological engineering & computing, 62(9), 2879.

Spitschak A, et al. (2024) E2F1-induced autocrine IL-6 inflammatory loop mediates cancer-immune crosstalk that predicts T cell phenotype switching and therapeutic responsiveness. Frontiers in immunology, 15, 1470368.

Wu J, et al. (2024) Analyzing activity and injury risk in elite curling athletes: seven workload monitoring metrics from session-RPE. Frontiers in public health, 12, 1409198.

Kaufmann P, et al. (2024) Increased trial-to-trial similarity and reduced temporal overlap of muscle synergy activation coefficients manifest during learning and with increasing movement proficiency. Scientific reports, 14(1), 17638.

Zhang Y, et al. (2024) Penetrating the ultra-tough yeast cell wall with finite element analysis model-aided design of microtools. iScience, 27(4), 109503.

Vaillancourt T, et al. (2024) Behavioral and neural responses to social exclusion in women: the role of facial attractiveness and friendliness. Scientific reports, 14(1), 15135.

Cheung VKM, et al. (2024) Cognitive and sensory expectations independently shape musical expectancy and pleasure. Philosophical transactions of the Royal Society of London. Series B, Biological sciences, 379(1895), 20220420.