# Resource Summary Report

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## Gnuplot

RRID:SCR_008619
Type: Tool

### Proper Citation

Gnuplot (RRID:SCR_008619)

### Resource Information

**URL:** http://www.gnuplot.info/

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**Description:** Gnuplot is a portable command-line driven graphing utility for linux, OS/2, MS Windows, OSX, VMS, and many other platforms. The source code is copyrighted but freely distributed (i.e., you don''t have to pay for it). It was originally created to allow scientists and students to visualize mathematical functions and data interactively, but has grown to support many non-interactive uses such as web scripting. It is also used as a plotting engine by third-party applications like Octave. Gnuplot has been supported and under active development since 1986. Gnuplot supports many types of plots in either 2D and 3D. It can draw using lines, points, boxes, contours, vector fields, surfaces, and various associated text. It also supports various specialized plot types. Demos here. Gnuplot supports many different types of output: interactive screen terminals (with mouse and hotkey input), direct output to pen plotters or modern printers, and output to many file formats (eps, fig, jpeg, LaTeX, metafont, pbm, pdf, png, postscript, svg, ...). Gnuplot is easily extensible to include new output modes. Recent additions include an interactive terminal based on wxWidgets and the creation of mousable graphs for web display using the HTML5 canvas element.

**Synonyms:** Gnuplot

**Resource Type:** software resource

**Resource Name:** Gnuplot

**Resource ID:** SCR_008619

**Alternate IDs:** nif-0000-31978

**Record Creation Time:** 20220129T080248+0000

**Record Last Update:** 20260801T190358+0000

## Ratings and Alerts

No rating or validation information has been found for Gnuplot.

No alerts have been found for Gnuplot.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 578 mentions in open access literature.

**Listed below are recent publications.** The full list is available at RRID .


Müller C, et al. (2025) Experimental observation of quantum mechanical fluorine tunnelling. Nature communications, 16(1), 4027.

Guo Y, et al. (2025) A haplotype-based evolutionary history of barley domestication. Nature, 647(8090), 680.

Suresh R, et al. (2025) Comparative genome analysis of human pathogen Parvimonas micra revealed strain JM503A as potential novel species in the genus Parvimonas and high intra-species functional diversity. Microbial genomics, 11(9).

Thompson EC, et al. (2025) Molecular dynamics of the pathogenic KCNQ2 variant G256W reveal mechanisms of channel dysfunction in epileptic encephalopathy. bioRxiv : the preprint server for biology.

Okayama A, et al. (2025) A Comparative Study of the Effects of Cholesterol and Lanosterol on Hydrated Phosphatidylethanolamine Assemblies: Focusing on Physical Parameters Related to Membrane Fusion. Membranes, 15(12).

Kolokouris D, et al. (2025) The Role of Cholesterol in M2 Clustering and Viral Budding Explained. Journal of chemical theory and computation, 21(2), 912.

Wang Q, et al. (2025) Magnetically Induced Current-Density Susceptibility of Circum[n]coronenes. The journal of physical chemistry. A, 129(2), 527.

Klementová J, et al. (2025) Comparative analysis of pediatric SHH medulloblastoma DAOY spheres and adherent monolayers: implications for medulloblastoma research. Cancer cell international, 25(1), 22.

Krupi?ska A, et al. (2025) Ferroelectricity, Piezoelectricity, and Unprecedented Starry Ferroelastic Patterns in Organic-Inorganic (CH3C(NH2)2)3[Sb2X9] (X = Cl/Br/I) Hybrids. Inorganic chemistry, 64(19), 9639.

Westphal K, et al. (2025) Mapping Hsp104 interactions using cross-linking mass spectrometry. FEBS open bio, 15(6), 922.

Lyshchuk H, et al. (2025) Release of Neutrals in Electron-Induced Ligand Separation from MeCpPtMe3: Theory Meets Experiment. The journal of physical chemistry. A, 129(8), 2016.

Shah A, et al. (2025) Relaxation Optimized Heteronuclear Experiments for Extending the Size Limit of RNA Nuclear Magnetic Resonance. Journal of the American Chemical Society, 147(13), 11179.

?leziak M, et al. (2025) Rigidity vs Activity: Design of Gramicidin S Analogs against Multidrug-Resistant Bacteria Based on Molecular Engineering. Journal of medicinal chemistry, 68(19), 20243.

Yadav N, et al. (2025) Controlling Glycan Folding with Ionic Functional Groups. Journal of the American Chemical Society, 147(18), 15126.

Cui X, et al. (2025) The nature of complex structural variations in tomatoes. Horticulture research, 12(7), uhaf107.

Lim HD, et al. (2025) Identification of a Lipid-Exposed Extrahelical Binding Site for Positive Allosteric Modulators of the Dopamine D2 Receptor. ACS chemical neuroscience, 16(12), 2295.

Khakpour A, et al. (2025) Computational screening of walnut (Juglans regia) husk metabolites reveals Aesculin as a potential inhibitor of pectate lyase Pel3: Insights from molecular dynamics and ?RAMD. Biochemistry and biophysics reports, 43, 102171.

Tsugawa S, et al. (2025) Inference of mechanical forces through 3D reconstruction of the closing motion in venus flytrap leaves. Scientific reports, 15(1), 24860.

Benedens M, et al. (2025) Assembly and the gating mechanism of the Pel exopolysaccharide export complex PelBC of Pseudomonas aeruginosa. Nature communications, 16(1), 5249.

Gomes AAS, et al. (2025) Structural Determinants of Buprenorphine Partial Agonism at the ?-Opioid Receptor. Journal of chemical information and modeling, 65(10), 5071.