Resource Summary Report

Generated by NIF on Jul 31, 2026

SymPy

RRID:SCR_018417
Type: Tool

Proper Citation

SymPy (RRID:SCR_018417)

Resource Information

URL: https://www.sympy.org/en/index.html

Proper Citation: SymPy (RRID:SCR_018417)

Description: Software Python library for symbolic mathematics. It aims to become full featured computer algebra system (CAS) while keeping code as simple as possible in order to be comprehensible and easily extensible.

Resource Type: software toolkit, software resource, software library

Keywords: Python, Python library, symbolic mathematics, computer algebra system, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: SymPy

Resource ID: SCR_018417

Alternate IDs: biotools:SymPy

Alternate URLs: https://bio.tools/SymPy

License: BSD

Record Creation Time: 20220129T080340+0000

Record Last Update: 20260731T043023+0000

Ratings and Alerts

No rating or validation information has been found for SymPy.

No alerts have been found for SymPy.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Zeng B, et al. (2025) Predictive model for optimizing prehospital transfusions in an urban EMS system. Transfusion, 65 Suppl 1(Suppl 1), S23.

Cha JS, et al. (2025) The elucidation of the dual role of Beclin-1 in ischemic stroke through systems biology modeling. iScience, 28(9), 113270.

Hadjidemetriou S, et al. (2024) Regiomontanus angle maximization for catadioptric sensors with paraboloidal mirrors. Scientific reports, 14(1), 18532.

Agostinetto G, et al. (2022) ExTaxsI: an exploration tool of biodiversity molecular data. GigaScience, 11.

Bissett PG, et al. (2021) Design issues and solutions for stop-signal data from the Adolescent Brain Cognitive Development (ABCD) study. eLife, 10.

Beck F, et al. (2021) An Empirical Investigation Into Deep and Shallow Rule Learning. Frontiers in artificial intelligence, 4, 689398.

Chen P, et al. (2021) Bayesian inference of heterogeneous epidemic models: Application to COVID-19 spread accounting for long-term care facilities. Computer methods in applied mechanics and engineering, 385, 114020.

Davies A, et al. (2020) Using interactive digital notebooks for bioscience and informatics education. PLoS computational biology, 16(11), e1008326.

Kopei VB, et al. (2019) Component-oriented acausal modeling of the dynamical systems in Python language on the example of the model of the sucker rod string. PeerJ. Computer science, 5, e227.