

# Resource Summary Report

Generated by [RRID](#) on Aug 2, 2026

## SymPy

RRID:SCR\_018417

Type: Tool

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### Proper Citation

SymPy (RRID:SCR\_018417)

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### 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 resource, software library, software toolkit

**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:** 20260801T190613+0000

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### 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 [RRID](#) .

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) ExTaxsl: 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.