

Resource Summary Report

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Maple

RRID:SCR_014449

Type: Tool

Proper Citation

Maple (RRID:SCR_014449)

Resource Information

URL: <http://www.maplesoft.com/products/Maple/>

Proper Citation: Maple (RRID:SCR_014449)

Description: Mathematical software that can compute both numeric and symbolic solutions. It can be used to analyze, explore, visualize, and solve mathematical problems.

Synonyms: Maple Software, Maplesoft, Maple Soft, MapleSoft

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: math, analysis, mathematics, computation, meta-analysis, numeric, symbolic

Resource Name: Maple

Resource ID: SCR_014449

License: License to be purchased depends on the user/party using Maple (volume student pricing, high school licensing, community college licensing, etc.)

License URLs: <http://www.maplesoft.com/terms/>

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260829T182449+0000

Ratings and Alerts

No rating or validation information has been found for Maple.

No alerts have been found for Maple.

Data and Source Information

Usage and Citation Metrics

We found 155 mentions in open access literature.

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

Zhou P, et al. (2026) Analytical evaluations using neural network-based method for wave solutions of combined Kairat-II-X differential equation in fluid mechanics. Scientific reports, 16(1).

Cheung G, et al. (2026) The Development of a Model to Predict Cognitive Decline Within 12 Months in Home Care Clients. Journal of clinical nursing, 35(5), 2205.

Muhammad J, et al. (2026) A hybrid analytical-machine learning framework for data-driven modeling of soliton solutions in the complex Ginzburg-Landau equation. Science progress, 109(2), 368504261447051.

Murad MAS, et al. (2026) Dynamical behavior of analytic solutions of the generalized derivative nonlinear Schrödinger equation under stochastic perturbations in fiber communication systems. Scientific reports, 16(1).

de Farias MB, et al. (2026) Green-synthesized reduced graphene oxide@chitosan beads for the removal of polycyclic aromatic hydrocarbons. Environmental science and pollution research international, 33(4), 1332.

Daher MG, et al. (2026) An enhanced novel surface plasmon resonance sensor employing perovskite nanomaterial and bismuth ferrite to identify different ethanol concentrations. Scientific reports, 16(1).

Riaz MB, et al. (2026) Stability analysis of forced nonlinear wave systems in optical and fluid media. Scientific reports, 16(1).

Sheth MS, et al. (2025) Factors associated with transition to a nursing home in older adults living in naturally occurring retirement communities. Journal of the American Geriatrics Society, 73(1), 88.

Spruijt MA, et al. (2025) The Efficacy of Botulinum Toxin A Injection in Pelvic Floor Muscles in Chronic Pelvic Pain Patients: A Double-Blinded Randomised Controlled Trial. BJOG : an international journal of obstetrics and gynaecology, 132(3), 297.

Alqhtani M, et al. (2025) Investigation of soliton solutions to the $(2 + 1)$ -dimensional stochastic chiral nonlinear Schrödinger equation with bifurcation, sensitivity and chaotic analysis. Scientific reports, 15(1), 24185.

Al-Sawalha MM, et al. (2025) Chaotic analysis, hopf bifurcation and collision of optical periodic solitons in $(2+1)$ -dimensional degenerated Biswas-Milovic equation with Kerr law of nonlinearity. Scientific reports, 15(1), 44322.

Evangelista P, et al. (2025) Decoding the Contribution of Shoulder and Elbow Mechanics to Barbell Kinematics and the Sticking Region in Bench and Overhead Press Exercises: A Link-Chain Model with Single- and Two-Joint Muscles. *Journal of functional morphology and kinesiology*, 10(3).

Alam BE, et al. (2025) Novel solitons in the (2+1)-dimensional Heisenberg spin chain via generalized conformable derivatives. *Scientific reports*, 15(1), 26325.

Kristinsdottir IV, et al. (2025) Prevalence and Predictors of Caregiver Distress in Six European Communities: Data From the IBenC Study, Using interRAI-Home Care Assessments. *Scandinavian journal of caring sciences*, 39(1), e70005.

Tawhari QM, et al. (2025) Modeling and estimation of physiochemical properties of cancer drugs using entropy measures. *Scientific reports*, 15(1), 4785.

Tariq MM, et al. (2025) Unveiling chaos and stability in advection diffusion reaction systems via advanced dynamical and sensitivity analysis. *Scientific reports*, 15(1), 5513.

Paulamäki J, et al. (2025) Patient-Related Factors Associated With the Initiation of Potentially Inappropriate Medication in Home Care: An Observational Study Based on Resident Assessment Instrument Data. *Basic & clinical pharmacology & toxicology*, 136(2), e14125.

Trouba NT, et al. (2025) Optical soliton solutions of the stochastic generalized nonlinear Schrödinger equation with arbitrary refractive index in Itô sense. *Scientific reports*, 15(1), 36172.

Khan MAU, et al. (2024) Soliton solutions of nonlinear coupled Davey-Stewartson Fokas system using modified auxiliary equation method and extended (G'/G^2) -expansion method. *Scientific reports*, 14(1), 21949.

Cheow YH, et al. (2024) The application of fractional calculus in economic growth modelling: An approach based on regression analysis. *Heliyon*, 10(15), e35379.