

Special Issue

New Trends in Hamilton–Jacobi Theory: Conservative and Dissipative Dynamics

Message from the Guest Editor

This Special Issue on Hamilton–Jacobi theory wants to bring together specialists coming from different areas of research and show how the Hamilton–Jacobi theory is so useful in their domains. Keywords

- Hamilton–Jacobi equation
- Hamilton–Jacobi problem
- Complete solution
- Integrability
- KAM theory
- Lagrangian submanifolds
- Legendrian submanifolds
- Symplectic geometry
- Contact geometry
- Poisson and Jacobi structures
- Multisymplectic field theory
- Symplectic relations
- Morse families
- Geometric integrators
- Generating functions

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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