



## Advances in Theoretical and Mathematical Physics: Theory and Applications

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Deadline for manuscript submissions:

**closed (31 October 2023)**

### Message from the Guest Editor

The description of processes that have scales from elementary particles up to the Universe requires the construction of more and more complex mathematical models and the search for methods for solving corresponding equations. Mathematical methods also play an important role in applied problems requiring the solution of problems in continuum mechanics, electrodynamics, and others.

This special issue welcomes papers related to theoretical and mathematical physics. We would especially like to note the directions associated with field theory and related partial differential equations. It is interesting to construct their exact and approximate solutions, study the solvability of problems, and formulate theorems that describe the properties of solutions. We will also be glad to see works related to nonlinear effects in hydrodynamics and electrodynamics.

In general, we will be glad to see any work related to mathematical methods for solving actual problems in physics.





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## 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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