

Special Issue on Recent Advances in Analytical Methods in Mathematical Physics

Call for Papers

This special issue is planned to focus on most recent advances in analytical techniques of particular use to researchers in the field of mathematical physics that covers a very wide area of topics and has a key role in interdisciplinary studies including mathematics, mechanics, and physics. In this issue, we are particularly interested in receiving novel contributions detailing analytical methods together with appropriate formulations applied to address problems in mathematical physics.

We aim to compile contributions across a variety of disciplines in mathematical physics and invite researchers to submit original research and/or domain reviews. Potential topics include, but are not limited to:

- Integrability and chaos in dynamical systems
- Nonlinear partial differential equations
- Lie group methods for differential equations
- Nonlinear problems in mechanics
- Control theory
- Geometrical methods
- Plasma physics
- Lie algebras and representation theory
- Statistical mechanics

Before submission authors should carefully read over the journal's Author Guidelines, which are located at <http://www.hindawi.com/journals/amp/guidelines/>. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at <http://mts.hindawi.com/> according to the following timetable:

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| Manuscript Due | Friday, 13 January 2012 |
| First Round of Reviews | Friday, 13 April 2012 |
| Publication Date | Friday, 13 July 2012 |

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