Mathematical Modelling of Wave Phenomena

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Message from the Guest Editors

Dear Colleagues,

This Special Issue deals with the problems of mathematical modeling of nonlinear wave phenomena. We focus on applications such as waves in ecology and biology, morphogenesis—in particular, somitogenesis—and waves in neuroscience. We also consider waves in elastic systems with dissipative and diffusion effects.

In this Special Issue, to describe these wave phenomena, nonlinear parabolic equations, reaction–diffusion systems and nonlinear hyperbolic wave equations will be considered.

Special Issue

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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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