

Special Issue

Recent Advances on Nonlinear Dynamics and Nonlinear Equations

Message from the Guest Editors

A Special Issue will be devoted to the problems of statics and nonlinear dynamics of beam-plate-shell structures. Such structures, as elements of macro-, micro-, and nanostructures, are widely used in such important areas as instrument engineering, aerospace industry, high-tech healthcare, medical instrumentation, etc. Experimental and theoretical works devoted to full-scale experiments, mathematical modeling of the behavior of these mechanical systems under the various types of loads and fields influence: temperature, electric, magnetic, noise and others, are welcome, and the issues of symmetric and asymmetric stability loss of mechanical structures are considered. The works devoted to theoretical studies of the mechanical structures behavior taking into account elastic, elastic-plastic deformations, destruction, contact interaction of structures, connectivity of deformation fields of nanostructures and temperature are accepted...

Guest Editors

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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