Special Issue

Analysis and Design of Structures and Processes Based on Anisotropic Plasticity 2021

Message from the Guest Editors

This Special Issue of *Symmetry* features articles about analytical and numerical methods for the analysis and design of structures and metal-forming processes assuming that the material is plastically anisotropic. We are soliciting contributions covering a broad range of topics including limit load, springback, stress intensity factor, defect assessment procedures, strain rate intensity factor, minimum weight, forming limit diagram, and others. We are interested in contributions that show how certain assumptions concerning symmetry of anisotropic properties specifically affect the analysis and design of structures and technological processes.

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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.

Editor-in-Chief

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