Special Issue

Symmetry/Asymmetry in Hot Forming and Numerical Simulation

Message from the Guest Editor

New materials and new processing techniques have been of importance for promoting human society, especially in an era where high-tech industries are becoming a vital measurement of a nation's competitiveness and sustainable development, they also have been the core driving force for vehicle, ship, aerospace and other traditional manufacturing industries. Hot forming is the latest manufacturing technology, combining the traditional heat treatment technology and the cold stamping technology, which has drawn universal attention from the national industrial policy, industrial circles and academia. It presents broad development prospects and long-term vitality. The numerical simulation method has become an indispensable and important tool for the successful application of hot forming technology in complex industrial products. Nowadays, hot forming is mainly used in the automotive industry, but this technology can be expected to be widely used in other industries, especially in shipbuilding, high-speed train and civil construction. Thus, this Special issue welcomes articles devoted to these industrial fields.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2022)

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/84256

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About the Journal

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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