Special Issue

Mathematical Modelling and Numerical Analysis in Electrical Engineering, 2nd Edition

Message from the Guest Editors

Mathematics and electrical engineering have always existed mutually. Mathematics is the science of studying numbers, quantities, geometry, and shapes, while electrical engineering deals with, among others, the practical application of mathematical theory in circuit design, electromagnetics, and electronics. To bridge the gap between mathematical problems and real-world solutions, numerical processes have evolved into solving complex mathematical models based on high-end computation. This Special Issue is focused on "Mathematical and Numerical Analysis in Electrical Engineering" and we kindly request you to submit an article. The scope of the Special Issue will cover areas on mathematical methods and techniques in electrical engineering – analytical, semi-numerical, and numerical-based computational modeling and analysis of electrical engineering problems, as well as mathematical and numerical designs for industrial-based electrical engineering devices and systems.

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Deadline for manuscript submissions

closed (30 June 2025)

MDPI

About the Journal

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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