Special Issue

Mathematical Applications in Electrical Engineering

Message from the Guest Editor

This Special Issue is devoted to "Mathematical Applications in Electrical Engineering" and focuses on areas of the application of mathematics and numerical methods to electrical engineering problems. The areas covered include circuit theory, materials simulations, electromagnetic characterization of materials, finite element modeling, optimization techniques, mathematical application in circuits and algorithms for the extraction, processing, and transmission of information, artificial intelligence techniques, electromagnetic fields, neural networks, and circuits and algorithms for classification, recognition, and prediction. This Special Issue aims to provide mathematical methods and applications in electrical engineering problems. We invite authors to contribute original research articles addressing significant issues and contributing to developing new concepts, methodologies, applications, trends, and knowledge in science. Review articles describing the current state-of-the-art are also welcome.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2024)

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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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