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Applications of Number Theory to Science and Technology

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Message from the Guest Editors

Dear Colleagues,

Number theory is a branch of mathematics that involves the study of number properties, giving special attention to integers. Today, number theory is one of the most dynamic areas of research with several applications, for instance, in cryptography, websites for e-commerce, coding, data security, in the design and analysis of computer hardware, in the study of communication and information theory, in the study of complexity theory, among others.

The purpose of this Special Issue is to reveal the most varied applications of number theory in most fields of science and technology. In particular, applications of certain numerical sequences are also welcome.

Contributions of high-quality papers that outline the current trends and activities in modern number theory are welcome. The topics of interest for this Special Issue include, but are not limited to, modular forms, hypergeometric functions, elliptic curves, Galois theory, special numbers, special functions, the distribution of prime numbers, Diophantine equations, L-functions, and Diophantine approximation.

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Message from the Editor-in-Chief

Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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