Special Issue

Computational Algebra, Coding Theory and Cryptography: Theory and Applications, 2nd Edition

Message from the Guest Editor

This Special Issue will study new encoding and decoding procedures based on different algebraic structures by applying the latter in error-control codes to find new algorithms that increase the number of errors that can be corrected and the speed of the encoding and decoding processes. These algebraic structures include commutative, computational, ordered, and hypercompositional algebras, emphasizing new combinatorial aspects related to lattice, category, and graph theories and modelling. This Special Issue welcomes original, high-level contributions presenting a connection between algebraic structures and coding theory or cryptography. New theoretical aspects and practical applications representing current research directions are also appreciated, alongside high-quality review papers.

Guest Editor

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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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