Special Issue

Coding Theory and the Impact of AI

Message from the Guest Editors

As digital computing and communication technologies advance at an unprecedented pace, securing the safety of communications and boosting their efficiency have become vital components of the Information Age landscape. This Special Issue devotes considerable attention to the forefront developments and future directions in research encompassing coding theory, cryptography, and information security. Its primary aim is to delve deeply into the foundational theoretical questions inherent in coding theory, fostering further study in mathematical theories that underpin error-correcting codes and cryptographic realms. Concurrently, it maintains a tight link with the extensive field of applied mathematics, investigating how coding theory and cryptography can be synergistically combined with emerging technologies in computer science to realize innovative applications across the domains of telecommunications and information security.

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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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