Special Issue

Recent Advances in Discrete Harmonic Analysis

Message from the Guest Editors

Discrete analogues of central questions in classical analysis, the underlying space being the integer lattice or vector spaces over finite fields, have grown into a vast, active area of research with connections to other fields such as ergodic theory, Ramsey theory, and even machine learning. The solution of such problems involves an interplay between techniques of harmonic analysis and analytic number theory such as applying delicate estimates for exponential sums. The aim of this Special Issue is to highlight recent developments in discrete harmonic analysis, as well as their applications to other problems in discrete geometry, arithmetic and geometric Ramsey theory, and ergodic theory.

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Deadline for manuscript submissions

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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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