Special Issue

Current Trends on Monomial and Binomial Ideals

Message from the Guest Editors

Recently, new trends on monomial ideals and binomial ideals have occurred. Remarkable developments in, for example, finite free resolutions, syzygies, regularity and symbolic powers of monomial ideals, and binomial ideals arising from combinatorial objects including finite graphs, lattice polytopes, and finite partially ordered sets have been brought about by a large number of authors. The present Special Issue summarizes recent achievements in these topics and stimulates further research that invites breakthroughs in the theory of monomial and binomial ideals.

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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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