

Special Issue

Modules over Noncommutative Rings, Homological Algebra and Noncommutative Geometry

Message from the Guest Editor

This issue is devoted to the structure of noncommutative rings and modules over noncommutative rings and structure of noncommutative rings, homological algebra, their interactions with noncommutative geometry and sheaf theory, and applications. In particular, there may be rings with polynomial identities, division rings, Noetherian rings, Artinian rings, power associative rings, quadratic algebras, normed rings, topological rings, Jordan algebras, alternative rings (algebras), non-associative rings (algebras), Cayley–Dickson algebras, filtered rings, Hochschild extension algebras, group algebras, quasigroup algebras, Noetherian modules, and Artinian modules. This may include studies of ring ideals, radicals, Jacobson radicals, prime ideals, idempotents, and involutive ideals. Other topics may be modules with regular singularities, holonomic modules, torsion modules, graded modules, generators of modules, characterization of rings by properties of modules over them, dual modules, normed modules, topological modules, modules with submodule lattice, hereditary modules, Rickartian modules, serial modules, (semi)distributive modules, sheaves of modules, graded sheaves, etc.

Guest Editor

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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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