

Special Issue

Differentiable Manifolds and Geometric Structures

Message from the Guest Editor

Differentiable manifolds endowed with a metric tensor and various compatible polynomial structures, such as product, complex, and quaternionic structures, have been intensively studied from different points of view. An important problem in the theory of submanifolds of manifolds with certain polynomial structures involves the provision of optimal inequalities which relate extrinsic to intrinsic curvature invariants. Examples of geometrical objects that can also provide information about the geometry of a Riemannian manifold are the distinguished vector fields, such as geodesic, Killing, concircular, and conformal vector fields. This Special Issue aims to collect reviews or original research papers on various topics concerning the geometry of differentiable manifolds and their submanifolds. Such topics include, but are not limited to, the following: manifolds with polynomial structures, (pseudo)-Riemannian metrics, and affine connections; distributions, foliations, and submanifolds; distinguished vector fields, vector bundles, and fiber bundles.

Guest Editor

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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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