Special Issue

Complex and Contact Manifolds

Message from the Guest Editors

The most studied differentiable manifolds are those endowed with certain endomorphisms of their tangent bundles: almost complex, almost product, almost contact, and almost paracontact manifolds, etc. Among complex manifolds, Kaehler manifolds play the most important role via their geometrical properties. Roughly speaking, contact manifolds are the odd-dimensional version of complex manifolds; in particular, Sasakian manifolds correspond to Kaehler manifolds. There are topological obstructions to the existence of Kaehler and Sasakian structures, respectively, on compact Riemannian manifolds. The geometry of submanifolds in such manifolds is an important topic of research. Obstructions to the existence of special classes of submanifolds in complex and Sasakian manifolds were obtained in terms of their Riemannian curvature invariants. The purpose of this Special Issue is to collect selected review works written by well-known researchers in the field, as well as new developments in the geometry of complex and contact manifolds or/and explore applications in other areas.

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Deadline for manuscript submissions

closed (31 October 2020)

Mathematics

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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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