Metric Spaces, Theory, Methods and Applications

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Message from the Guest Editors

Dear Colleagues,

Metric space is a basic, important abstract space closest to Euclidean space in modern mathematics. It plays an important role in functional analysis, harmonic analysis, partial differential equations, probability theory, and so on. In particular, more and more scholars began to focus on a class of metric space equipped with a measure, which is a current research hotspots.

The main purpose of this Special Issue is the publication of papers of high quality that gather new advances in the study of harmonic analysis, geometric measure theory, partial differential equations on the metric space are welcome. Moreover, function spaces and operator theory on the metric measure space or on the Lie group, functional inequalities, capacity, partial differential equations on the sub-Riemannian manifold or Riemannian manifold etc., will be also considered.

We look forward to receiving your contributions.

Special Issue

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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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