

Special Issue

Spline Functions and Applications

Message from the Guest Editors

Since the beginning of the systematic study of spline functions by I. J. Schoenberg in the forties, they have become an essential tool in approximation theory and numerical computation, with computer-aided geometric design, numerical solution of integral and differential equations, numerical quadratures, interpolation and quasi-interpolation, least squares and regularization, image processing, and isogeometric analysis being a few mathematical applicative areas. Many results on spline functions have been collected in well-known books, even on very specialized topics, but the publication of results continues at a high rate. A quick glance at Scopus shows how interest in spline functions continues today, with a total output of more than 12,000 spline-related articles in the last five years, in fields such as engineering, mathematics, computer science, materials science, among others. This Special Issue collects contributions on any relevant aspect of spline functions and their applications, with the aim of presenting an overview of the most recent advances and current applications.

Guest Editors

Prof. Dr. Domingo Barrera

Prof. Dr. María José Ibáñez

Prof. Dr. Sara Remogna

Deadline for manuscript submissions

closed (30 April 2022)



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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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