



Approximation Theory and Methods 2020

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Message from the Guest Editor

The importance of approximation theory and related methods ranges from a need to represent functions in computer calculations to an interest in the mathematics of the subject; work in numerical analysis and in mathematical computation is one of the main links between these two extremes.

In this Special Issue, we will cover the field of spectral problems; exponential integrators for ODE systems; and some applications for the numerical solution of evolutionary PDE, also discretized, by using the concepts and the related formalism of special functions and orthogonal polynomials, which represent a powerful tool to simplify computation. Not only this, we will open computer users with efficient programs for general approximation calculations, in order that useful advances in the subject can be applied.

Key words:

- Splines
- Multivariate approximation
- Approximation operators
- Special functions and orthogonal polynomials
- Theory of minimax approximation
- Approximation to periodic functions





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Message from the Editor-in-Chief

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