Orthogonal Polynomials, Special Functions and Applications

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Message from the Guest Editor

This Special Issue of *Axioms* is devoted to various aspects of the theory of orthogonality in real or complex spaces with respect to the standard inner product (classical and strongly nonclassical cases) and moment functionals, including one-dimensional and multidimensional cases. Contributions considering the development and application of special functions, as well as problems in which special functions play a significant role, are welcome. Particularly interesting are theories and applications in which both orthogonality and special functions are represented. Consideration of problems in which special functions play a significant role, as well as applications of orhogonal polynomials in approximation theory in the broadest sense, including quadrature formulas and integral equations, will be particularly appreciated. Furthermore, applications and algorithms for solving open problems in mathematics, physics, and technical sciences are of interest.

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