



Quantum Algebras and Operator Theory

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Message from the Guest Editor

One of the main purposes of research in functional analysis is the theory of inequalities and its integration in contemporary trends in mathematics. The specific objectives are the study of matrix and operator interpretations of real inequalities in various settings, including operator inequalities, norm inequalities, eigenvalue and singular value inequalities, the corresponding refinements and reverses, as well as applications in functional analysis. The notion of convexity is widely spread in almost all branches of mathematics, even in some models in economics, finance, mechanics, and engineering.

One of the main goals of the research is the systematic development of the existing theory of convex functions, related generalizations, and applications to operator inequalities. Particular emphasis in the research is placed on the various types of convexities.





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Message from the Editor-in-Chief

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