

Special Issue

Clifford Analysis: Theory, Methods, and Multidisciplinary Applications

Message from the Guest Editor

This Special Issue, “Clifford Analysis: Theory, Methods, and Multidisciplinary Applications”, offers a curated selection of pioneering research situated at the intersection of algebra, analysis, and geometry. Clifford analysis, as an extension of complex analysis into higher dimensions, provides powerful algebraic and analytical tools for exploring monogenic functions, Dirac-type operators, and the concept of conformal invariance. We welcome contributions that address both the theoretical development and the applied aspects of the field. Topics of interest include, but are not limited to, advancements in partial differential equations, hypercomplex function theory, geometric calculus, and their applications in mathematical physics, computer vision, and signal/image processing. This Special Issue demonstrates how Clifford algebras provide a cohesive framework that effectively connects the domains of pure and applied mathematics. It is intended as a resource for both specialists in geometric analysis and those exploring novel applications of Clifford theory in broader scientific contexts.

Guest Editor

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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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