Special Issue

Advances in PDE-Based Methods for Image Processing

Message from the Guest Editor

Partial differential equation (PDE)-based models express continuous change, so they have long been used to formulate dynamical phenomena in a lot of engineering fields, such as image processing and analysis and computer vision. In the last three decades, they have been applied successfully in various subdomains of these areas, such as image denoising and restoration, inpainting, image segmentation, image compression, image decomposition, and image registration. This proposed Special Issue deals with all these image processing and analysis fields, its main purpose being the dissemination of advanced and original research in these scientific areas and bringing together the researchers working in the PDE-based image processing and analysis, so as to extend the existing knowledge in these domains. We thus encourage you to send high-quality articles disseminating novel research achievements for this issue.

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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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