

Perspectives of Geometric Analysis in PDEs

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Perspectives of Geometric Analysis in PDEs

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Functions, subvarieties, tensors, and other mathematical objects governed by natural partial differential equations provide usually deep insight into geometric structures. Geometric analysis is a discipline that strongly relies on the information provided by various classes of partial differential equations.

This special issue contains some contributions written by leading experts in problems at the interface between the geometric analysis and partial differential equations. Throughout, the main theme is to present the close interaction of these major research fields. More specifically, emphasis is placed on how the behavior of the solutions of a partial differential equation is affected by the geometry of the underlying manifold and vice versa.

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