

Interpolation of Morrey and Related Smoothness Spaces

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Abstract

We study the interpolation of Morrey spaces and some smoothness spaces based on Morrey spaces, e. g., Besov-type and Triebel-Lizorkin-type spaces. Various interpolation methods, including the real and complex method, the \pm -method and the Peetre-Gagliardo method, are studied in such a framework. Special emphasize is given to the quasi-Banach case and to the interpolation property. This is joint work with Dachun Yang and Wen Yuan from Beijing Normal University.