

Maximal Functions Measuring Smoothness

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**Maximal functions
measuring smoothness**

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Maximal functions which measure the smoothness of a function are introduced and

studied from the point of view of their relationship to classical smoothness and their use in proving embedding theorems, extension theorems and various results on differentiation. New spaces of functions which generalize Sobolev spaces are introduced.

Keywords and Phrases: Maximal functions, smoothness in several variables, Sobolev embeddings, extension theorems.

作者介绍:

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Sobolev_Space

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