
Interpolation and Approximation of Anisotropic Besov spaces

Yuri Brudnyi, *Technion, Israel*

AMS Classification: 41A65

Keywords and phrases: Besov space, approximation space

Using bandlimited functions or wavelets, we present an anisotropic Besov space as multiparametric approximation space. As corollaries we obtain a general form of the classical S. Bernstein-Montel theorem on existence of mixed derivatives, and new interpolation and embedding theorems for these spaces.