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Embeddings between generalised Besov-Morrey spaces

We present sufficient and necessary conditions for the embeddings between generalised Besov-Morrey spaces. Embeddings of the Besov-Morrey spaces into the Lebesgue spaces are also considered. Our approach requires a wavelet characterisation of the spaces which we establish for the system of Daubechies wavelets.

This is joint work with Dorothee Haroske (Jena) and Leszek Skrzypczak (Poznan).