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WEIGHTED IMBEDDING THEOREMS FOR ANISOTROPIC SOBOLEV
SPACES

Abstract

In this paper the weight effects for integral operators arises on the basis of the integral representation of Il'in-Besov (see [1]) for domains Ω_k , $0 \leq k \leq n-1$, which considered in [2] and weighted imbedding theorems in anisotropic Sobolev space $W_{\omega_0, \omega_1, \dots, \omega_n}^{l_1, \dots, l_n}(\Omega_k)$ are obtained. These weight effects for domain Ω_{n-1} was proved in [3].