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EMBEDDING THEOREMS IN ANISOTROPIC
WEIGHT TYPE B_n -SOBOLEV SPACE

Abstract

At the paper the anisotropic weight type B_n -Sobolev spaces $W^{l_1, \dots, l_n} \Gamma_{p, \theta, \gamma} (R_+^n, \varphi)$, $W^{l_1, \dots, l_n} \Gamma_{p, \theta, \gamma}^ (R_+^n, \varphi)$ are constructed and some embedding theorems in these spaces are obtained. By means of B_n -Riesz potential a priori estimations are obtained.*