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ON THE IMBEDDING AND COMPACTNESS THEOREMS FOR  
ANISOTROPIC WEIGHT SOBOLEV SPACES

Abstract

*The imbedding and compactness theorems of anisotrop weighted Sobolev spaces to weighted Lebesgue spaces are proved. In particular, to prove the compactness theorem the local compactness theorem and the theorem for obtaining the global compactness from local compactness are given.*