

Pankaj Jain

Deshbandhu College, University of Delhi, India

On Banach space valued Lebesgue spaces

We discuss the weighted space $L_w^p(X)$ that consists of Banach function space valued functions, X being a Banach function space. Its dual will be discussed and also the corresponding Sobolev space will be talked about. In the framework of this setting, certain inequalities will be demonstrated.