

Ann. Scuola Norm. Sup. Pisa Cl. Sci. (5)
Vol. X (2011), 645-667

Regularity of a class of degenerate elliptic equations

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Abstract. In the present paper we establish the $W^{1,p}$ type estimates for the weak solutions of a class of degenerate elliptic equations. The optimal estimates are obtained by introducing the intrinsic metric that is associated with the geometry of the operator and then using the compactness method.

Mathematics Subject Classification (2010): 35J70 (primary); 35H20 (secondary).