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On Liouville theorem and the regularity of weak solutions to some nonlinear elliptic systems of higher order

Comment.Math.Univ.Carolinae 32,4 (1991) 615-625.

Abstract: The aim of this paper is to show that Liouville type property is a sufficient and necessary condition for the regularity of weak solutions of nonlinear elliptic systems of the higher order.

Keywords: regularity of weak solutions, nonlinear elliptic systems

AMS Subject Classification: 35J60, 35D10