

ANISOTROPIC NONLINEAR ELLIPTIC SYSTEM WITH DEGENERATE COERCIVITY AND L^m DATA

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Abstract. In a bounded open subset $\Omega \subset \mathbb{R}^n$ with $n \geq 2$, we study nonlinear degenerate anisotropic elliptic systems with L^m data, where m being small. Therefore, we prove the existence of a weak solution $u : \Omega \rightarrow \mathbb{R}^N$ with $N \geq 2$, under various hypotheses on the data f .

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