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Regularity for Vector Valued Minimizers of Some Anisotropic Integral Functionals

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Abstract: We deal with anisotropic integral functionals $\int_{\Omega} f(x, Du(x)) dx$ defined on vector valued mappings $u : \Omega \subset \mathbb{R}^n \rightarrow \mathbb{R}^N$. We show that a suitable "monotonicity" inequality, on the density f , guarantees global pointwise bounds for minimizers u .



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