

On the regularity of strong local minimizers

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We discuss the regularity problem for strong local minimizers of quasiconvex integrals. It is well-known that even under favourable hypotheses such minimizers will only be partially regular, that is, of class C^1 outside some relatively closed subset (singular set) of their domain. Under the assumption of Lipschitz continuity it is shown that the singular set is uniformly porous. The talk is based on joint work with G.R. Mingione (Parma).