

SMOOTH AND CREASED EQUILIBRIA FOR ELASTIC-PLASTIC PLATES AND BEAMS

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ABSTRACT - We show that minimizers of elastic-plastic energies dependent on jump integrals are smooth provided a smallness condition is fulfilled by the load. We examine also the structure of extremals when this smallness condition is violated.

Keywords: Calculus of Variations, Free Discontinuity, Bounded Hessian Functions, Elasto-Plasticity

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