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An adaptive finite element approximation of a variational model of brittle fracture. (English)

Zbl 1305.74080

SIAM J. Numer. Anal. 48, No. 3, 980-1012 (2010).

MSC:

- 74S05 Finite element methods applied to problems in solid mechanics
- 74R10 Brittle fracture
- 65N30 Finite element, Rayleigh-Ritz and Galerkin methods for boundary value problems involving PDEs
- 65N50 Mesh generation, refinement, and adaptive methods for boundary value problems involving PDEs

Cited in **44** Documents

Keywords:

adaptive finite element method; brittle fracture; free-discontinuity problem; Ambrosio-Tortorelli functional

Software:

Triangle

Full Text: [DOI](#)