

Wang, W. J.; Hsu, Y. C.; Ju, Frederick D.

Stress concentration around an elliptical crack with major axis perpendicular to the tension in the presence of couple-stresses. (English) [Zbl 0424.73016](#)

Numerical methods in fracture mechanics, Proc. 1st int. Conf., Swansea 1978, 137-154 (1978).

For a scan of this review see the [web version](#).

MSC:

74G70 Stress concentrations, singularities in solid mechanics

74K20 Plates

74R05 Brittle damage

Keywords:

linearized couple-stress theory; elliptical crack; uniaxially stressed infinite plate; complex variable function method; least-square method