

Sample paper topics

Experimental measurement of crack-tip plastic zones

Transition temperature assessment by fracture toughness and impact tests

Application of fracture mechanics testing to welded joints

Application of fracture mechanics to creep crack growth

Use of the J integral as a fracture criterion for thin sheet

Fracture mechanics approaches to stress corrosion cracking

Crack initiation and growth at notches in bend bars

Review of the application of J_{IC} techniques to structural design

Fracture mechanics and crack growth of implant materials in air and in Ringer's solution

The role of microstructure in toughness behavior of high-strength aluminum alloys

Review of notch root radius effect on toughness in ceramics

Fatigue crack growth under ΔK and ΔJ conditions at elevated temperature

Characterization of environmental fracture behavior by fracture mechanics methods

