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Fracture Toughness Example: Allowable Pressure in Cracked Titanium Tube; Optimizing Yield StrengthLecture 6- Elastic-plastic fracture mechanics *Deformation And Fracture Mechanics Of*

Description. Deformation and Fracture Mechanics of Engineering Materials provides a combined fracture mechanics-materials approach to the fracture of engineering solids with comprehensive treatment and detailed explanations and references, making it the perfect resource for senior and graduate engineering students, and practicing engineers alike. The 5th edition includes new end-of-chapter homework problems, examples, illustrations, and a new chapter on products liability and recall ...

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Mechanics of fibre deformation and fracture in vibration ...

Ductile vs. brittle fracture Principles of fracture mechanics Stress concentration Impact fracture testing Fatigue (cyclic stresses) Cyclic stresses, the S-N curve Crack initiation and propagation Factors that affect fatigue behavior Creep (time dependent deformation)

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