

ANSYS WB - Plate With a Crack - Problem Specification

Author: Benjamin Mullen, Cornell University

Problem Specification

1. [Pre-Analysis & Start-Up](#)
2. Geometry
3. Mesh
4. Setup (Physics)
5. Solution
6. Results
7. Verification & Validation

A plate with a center crack is subjected to a stress σ_0 . The geometry is below. Determine the stress intensity factor K_I .

Continue to [Step 1 - Pre-Analysis and Startup](#)