

Please answer all questions in the homework format listed on the website.

- 1) Dowling 8.1. Note: the transition crack length is given by Eq. 8.4. Here, the fracture toughness K_c is equivalent to the fracture toughness under mode I fracture ($K_c = K_{Ic}$).
- 2) Dowling Problem 8.12, do part (a) only. For yielding, use fully plastic yielding from Figure A.16(b).