

ME 354 Homework #4

Due: February 8th, 2008 before class.

- 1) Dowling, Problem 4.20 (a) and (b). For steel, the Bridgman correction is used for strains greater than 12% (Equations 4.21 & 4.22)
- 2) Dowling, Problem 5.9
- 3) Dowling, Problem 5.26
- 4) Dowling, Problem 5.30. For copper, $E = 130 \text{ GPa}$, $\nu = 0.343$
- 5) Dowling, Problem 12.5.