ME/MS 260A Homework 5
Micromechanics - Spring 2013-14
Due: May 8, 2014 in class

Guidelines

The homework is due on Thursday May 8, 2014 in class. No late homeworks will be accepted without instructor's prior permission. Some problems may be open ended and left for the student to explore on their own. Standard honor code rules apply. You may refer to the class notes for this homework

1. Austenite - Martensite Interfaces

Using Geometrically linear theory, identify all possible austenite - martensite interfaces for the cubic to orthorhombic transformation in Copper-Aluminum-Nickel. For this problem, you may consult class notes or Hane, K. F., and Shield, T. W., "Microstructure in a Cubic to Orthorhombic Transition," J. Elasticity, 59, pp. 267-318, 2000.