

Assignment Statics

Student ID 0

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1 Evaluate the Poisson's ratio

Difficulty = easy Number Points = 2

1.1 Problem

Evaluate the Poisson's ratio for steel with a Young's modulus of 212.5 GPa(1) and shear modulus of 77.05 GPa(1)

1.2 Solution

The Poisson's ratio is $E/(2G) - 1 = 0.379$.