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Relationship between material properties of isotropic materials.Lectures notes OnNow we can use our Hook's Law, tau is equal to g times gamma, or rearranging, g is equal to tau divided by gamma, is the shear stress we've calculated is 474 times ten cubed divided by the strain is 0.249 is equal to 1.9 times 10 to the 6th pascals or 1.9 mega pascals and the closest answer is D.Stresses and Strains: Shear Stress - Mechanics of ...Lectures in STRESS AND STRAIN. Lecture 1: Basics. Lecture 2: Basics: Compression And Tensile. Lecture 3: I-Beam. Lecture 4: Bone Strength. Lecture 5: Young'S Modulus. Lecture 6: Young'S Modulus: Ex. 1: Aluminum Wire. Lecture 7: Young'S Modulus: Ex. 2: Maximum Stress. Lecture 8: Young'S Modulus: Ex. 3: Maximum Force. Definition of stress, stress tensor, normal and shear stresses in axially loaded members. Stress & Strain:- Stress-strain relationship, Hooke’s law, Poisson’s ratio, shear stress, shear strain, modulus of rigidity. Relationship between material properties of isotropic materials.

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