Impact of Atomic Bonding on Material Elasticity- Lesson 2 Student Notes

Finish the phrase: Linear elastic behavior can be considered...

Sketch the force vs. displacement and energy vs. displacement curves for an atom being pulled in tension. Highlight how they are connected

Write the equation which relates Young's Modulus to bond stiffness

© 2021 ANSYS, Inc.

How does bond stiffness vary across bond types?

What is anisotropy?

What impact does anisotropy have on our mechanical properties? Which material family is often anisotropic?

© 2021 ANSYS, Inc.