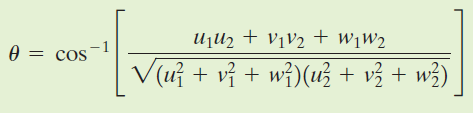
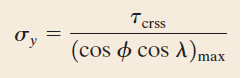
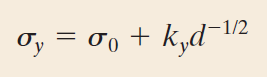
**IN CLASS # 4**

1. Consider a single crystal of some hypothetical metal that has the FCC crystal structure and is oriented such that a tensile stress is applied along a [02] direction. If slip occurs on a (111) plane and in a a [01] direction, compute the stress at which the crystal yields if its critical resolved shear stress is 3.42 MPa.

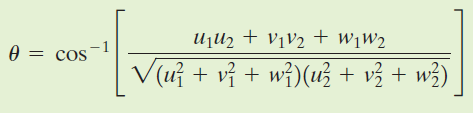
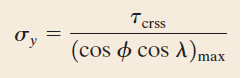
 

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