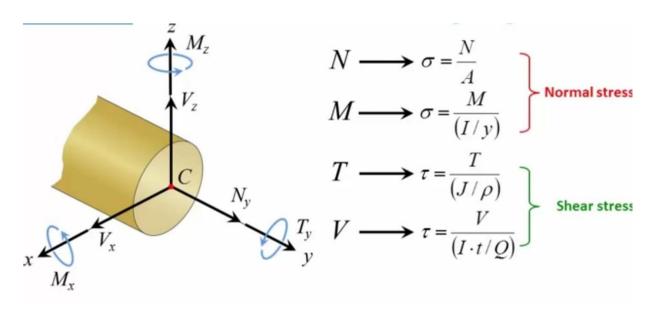
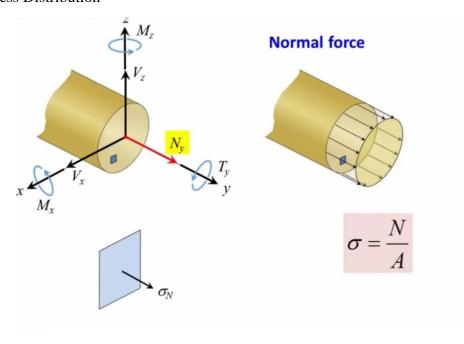
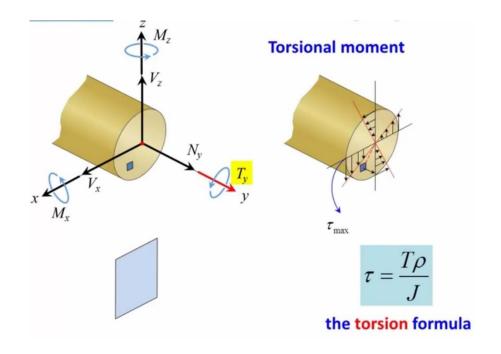
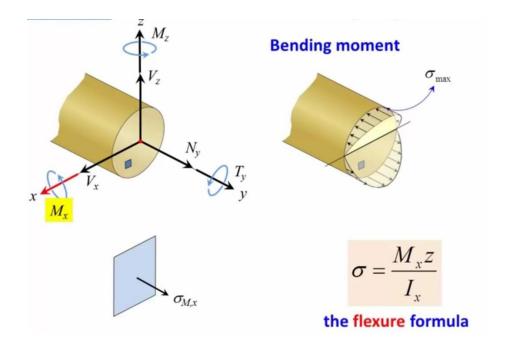
COMBINED LOADING AT A SPECIFIC POINT OF BEAM CROSS SECTION

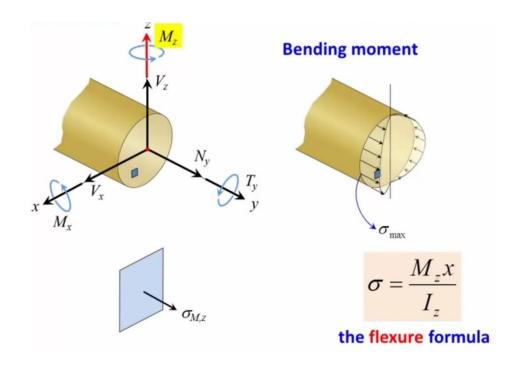


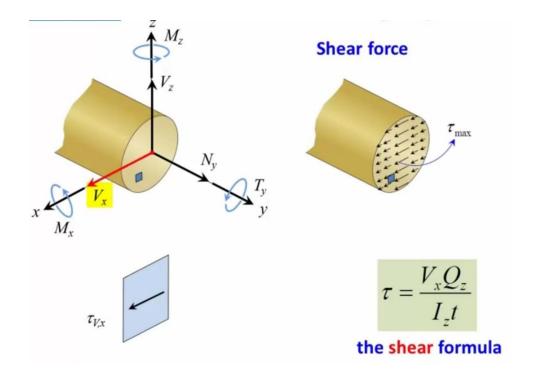
Normal Stress Distribution

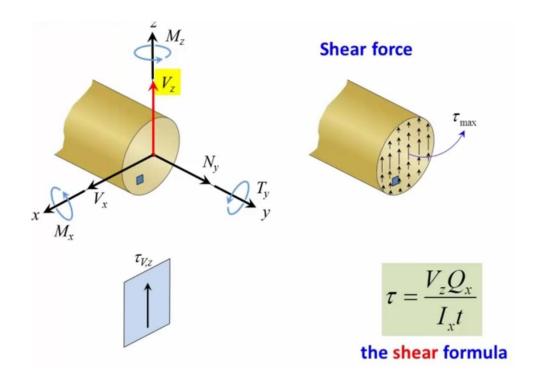


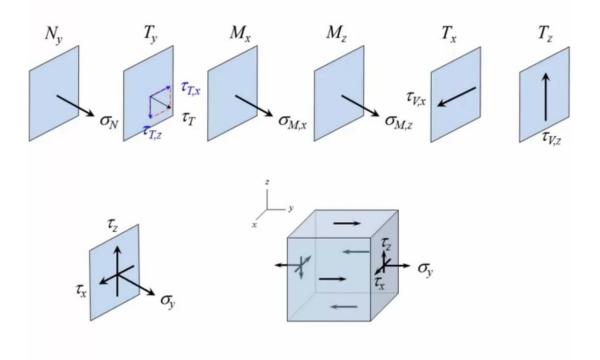




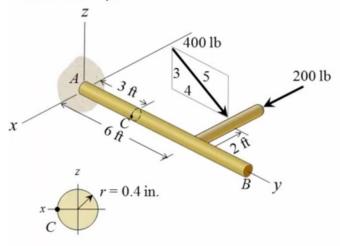




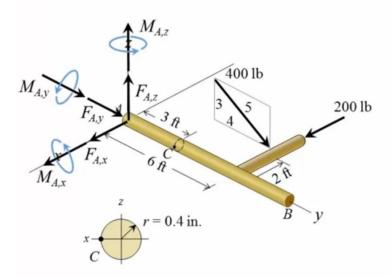


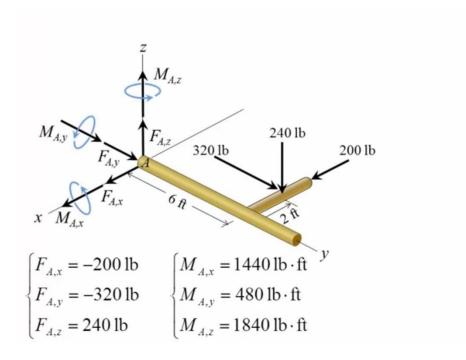


Example 1: For the composite beam subjected to the loadings shown, determine the state of stress at point *C* and show the result on a **planar element** at point *C*.

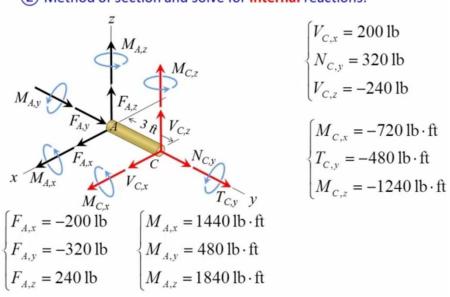


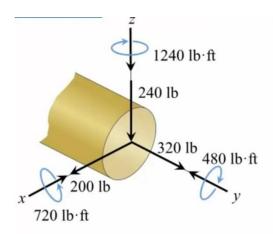
1 FBD and solve for all **external** support reactions.

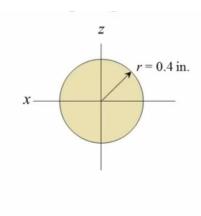


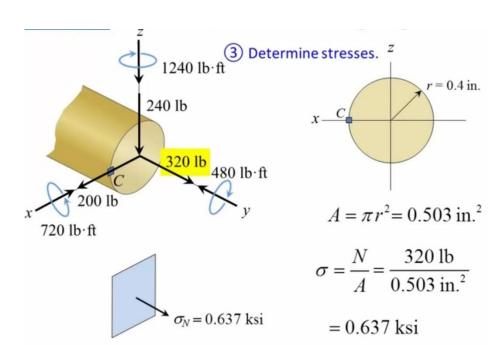


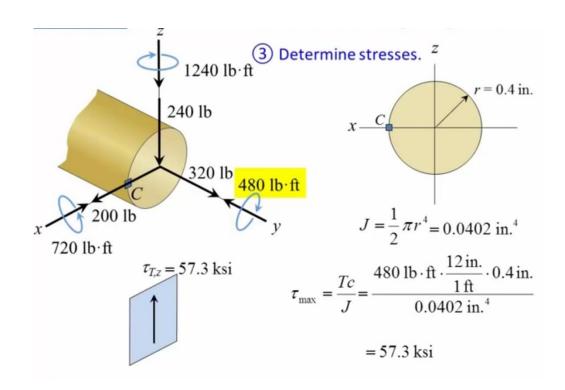
(2) Method of section and solve for internal reactions.

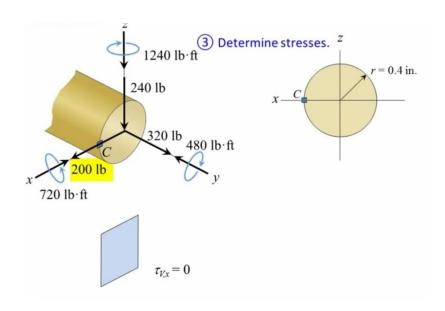


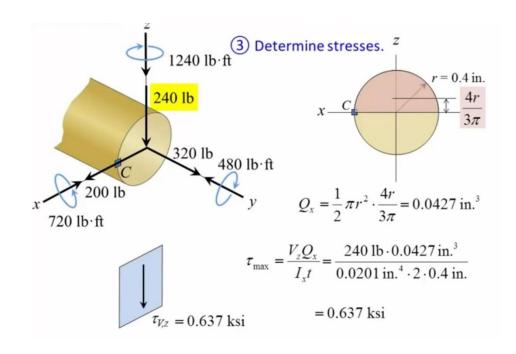


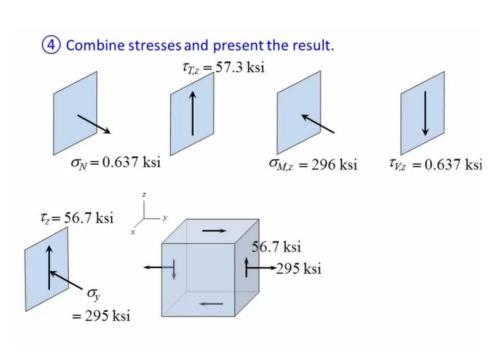


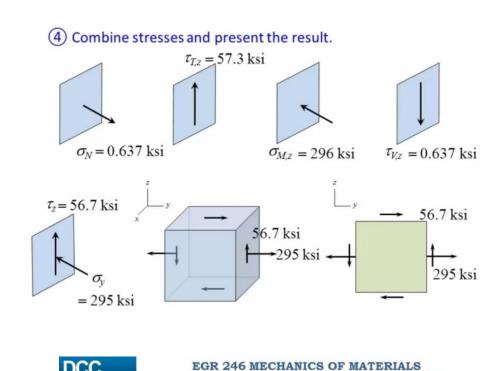












Stated of stress caused by combined loadings

Instructor: Dr. Yiheng Wang

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