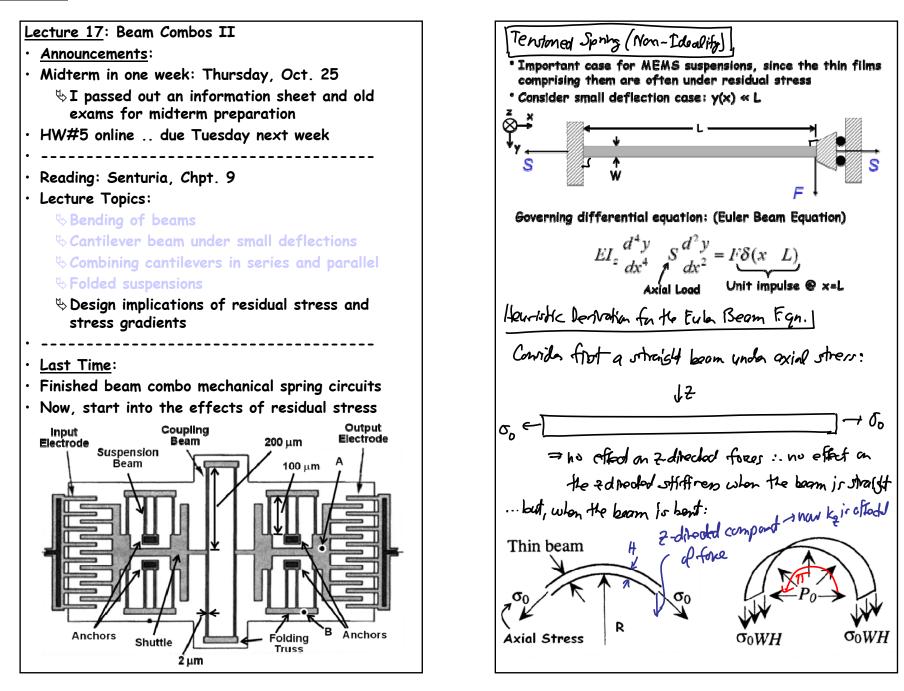
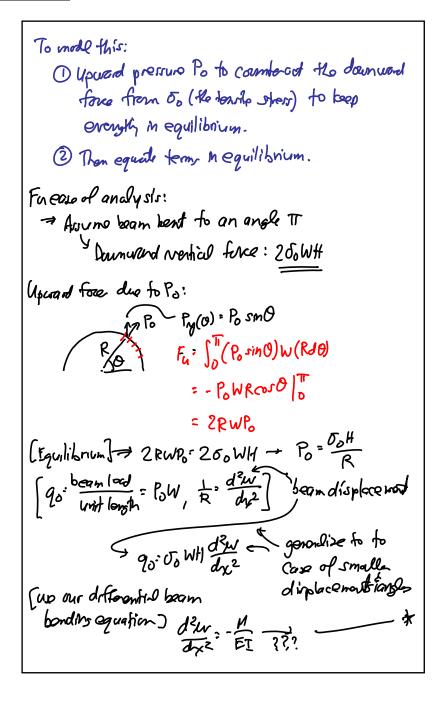
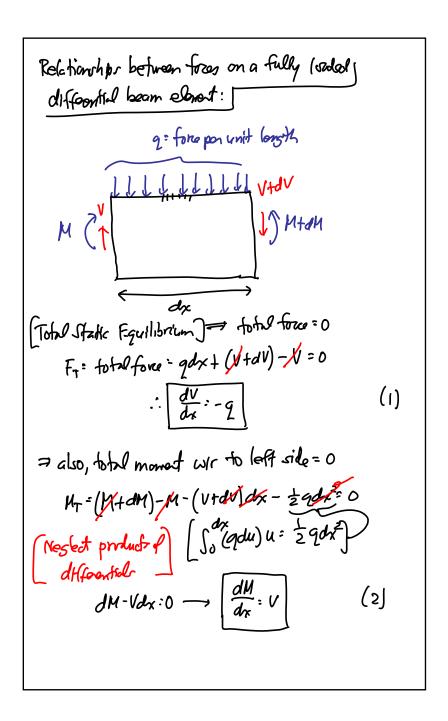
# CTN 10/18/12

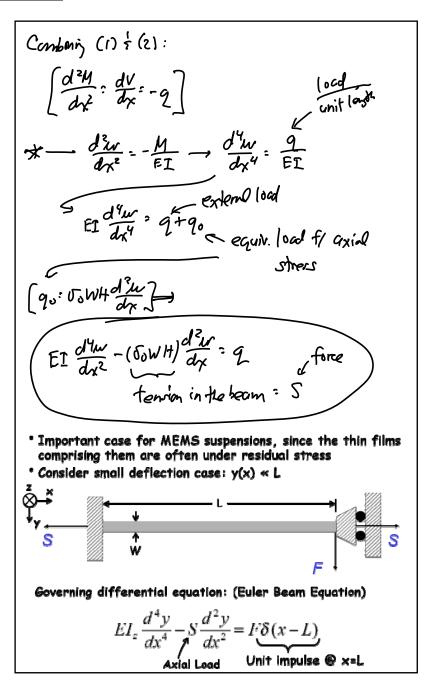


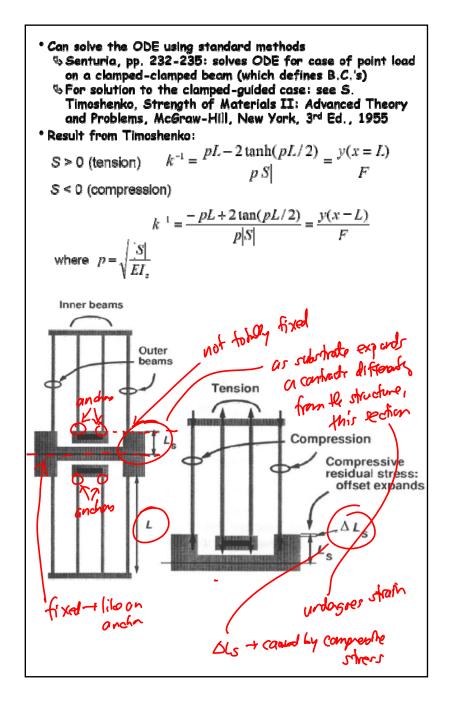
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Determine the Spring Constants under ALS) 1) IF polysi stroin is Er, than the should expands by ALS = Erls. 2 This then applies a load to the booms -> SL= SLs (3) Bean Stress:  $\epsilon_{\rm b} = \frac{\Delta L}{2L} = \frac{\Delta L_{\rm s}}{2L} = \pm \epsilon_{\rm r} \frac{L_{\rm s}}{2L}$ Johness Force:  $S = \pm E \epsilon_r \left(\frac{L_s}{2L}\right) Wh \left(\frac{\alpha_X}{\alpha}\right) = \frac{1}{2} \frac{1}{2}$ (9) Spring Constants: Kconlikton  $k = 4(k_{const}^{-1} + k_{ten}^{-1})^{-1}$  M server  $k = 4 \left[ \frac{-pL + 2 \tan(pL/2)}{pS|} + \frac{pL - 2 \tanh(pL/2)}{p|S|} \right]^{-1}$ Inner bear 4in peral Outer Deams Tension Ls Compression Compressive residual stress: offset expands AL.

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