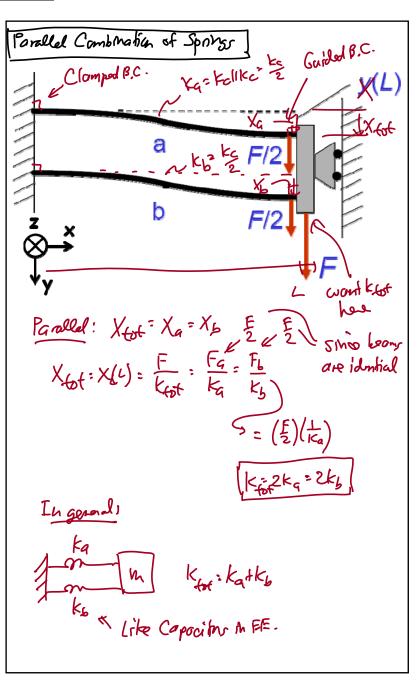
HW#4 online and due Tuesday, March 18

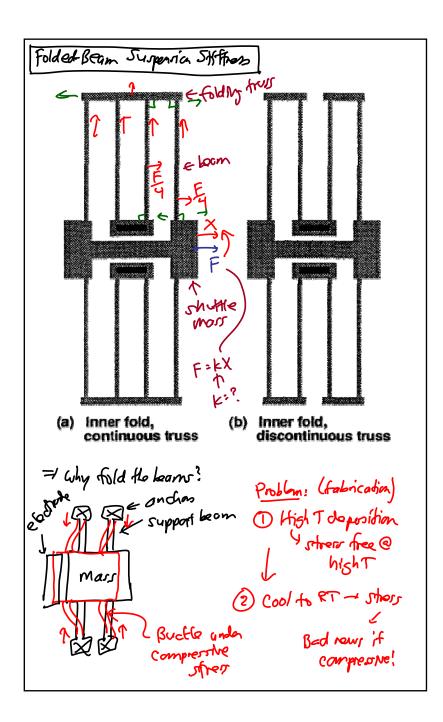
Lecture 16: Beam Combos I

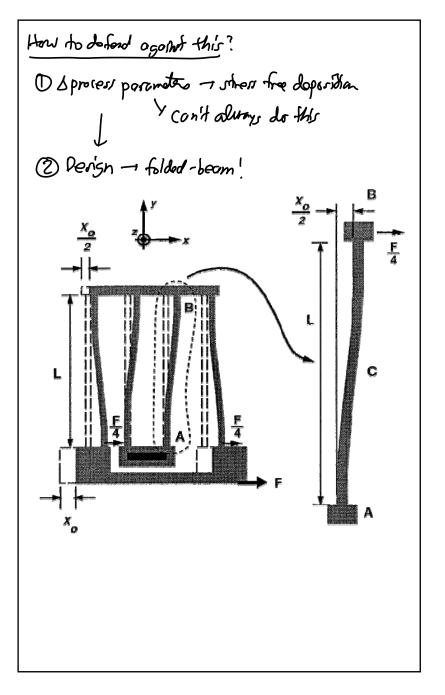
Announcements:

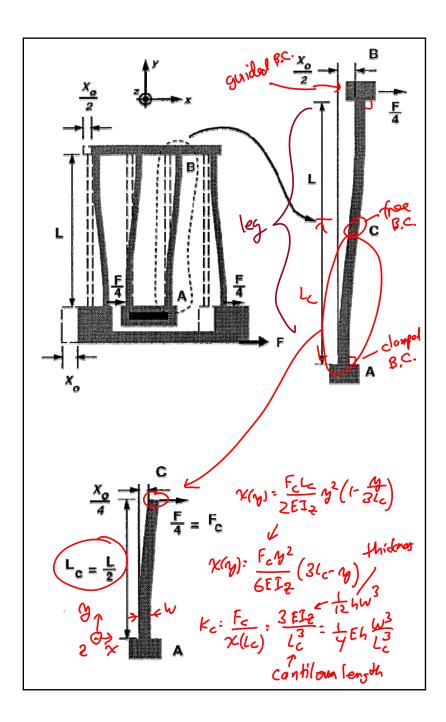
# Series, Xfot > X1, Xtot > X2 } Xtot : X1+X2 = in serier, F is the some clong to while been muchine $X_{\text{tot}} \cdot X(L) = \frac{F}{k_{\text{tot}}} = X_1 + X_2 \cdot 2 \begin{pmatrix} F \\ F_c \end{pmatrix} = F(\frac{1}{k_c} + \frac{1}{k_c})$ - K: Kallka Refinition for AIIB: The AB Kisky in sender -> (Ktot= KillK2

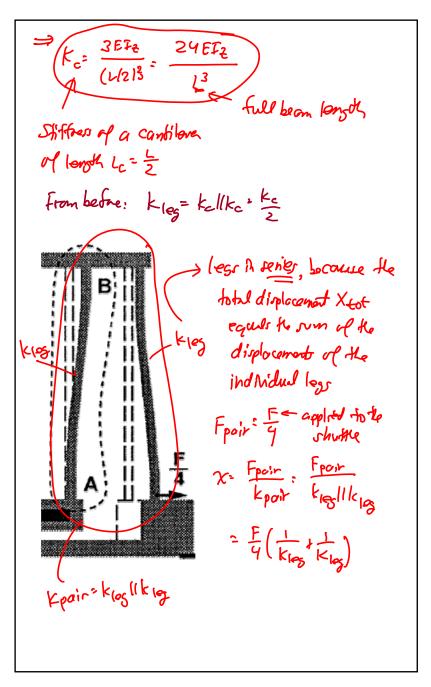
• Midterm is nearing: Thursday, March 20 ♥ I passed out materials associated with the midterm (info sheet and old exams) Reading: Senturia, Chpt. 9 • Lecture Topics: **Bending of beams** & Cantilever beam under small deflections Scombining cantilevers in series and parallel ♦ Folded suspensions & Design implications of residual stress and stress gradients Last Time: Guidal R.C. Y mappin Senier Cambination of Springer Fixed B.C. - manufair 90" = 2L, #1 free B.C. also, a condition Cantiloren - stiffners : Kc stiffions : k

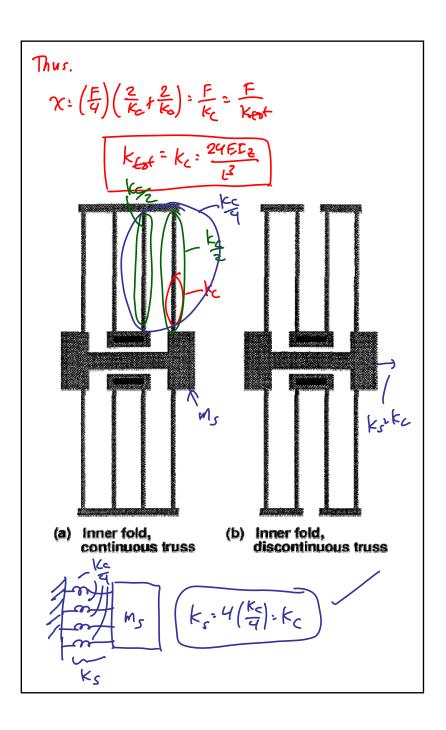












## Micromechanical File Example Output Electrode Coupling Input Electrode Beam 200 µm Suspension Beam 100 μm Änchors chors Folding Shuttle Truss 2µm = Find the offficers @ pl.A m2 (shuffles f trusses are nisid) f/ before (pune recognition) A |→ F→ F = KAKA A Kb: ? > kcs Kell Ker

