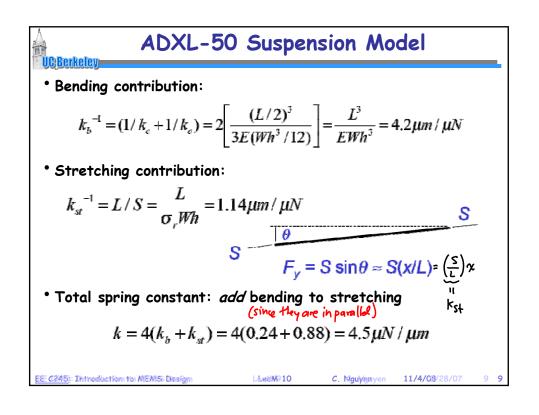
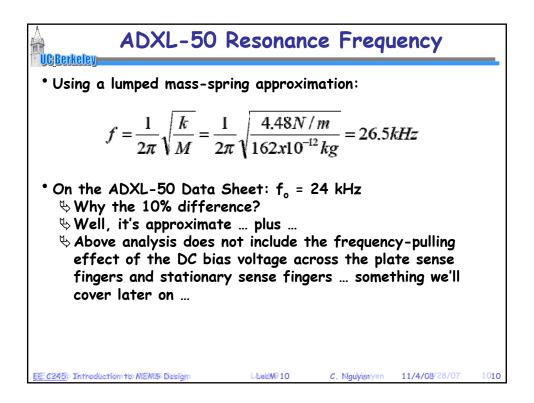
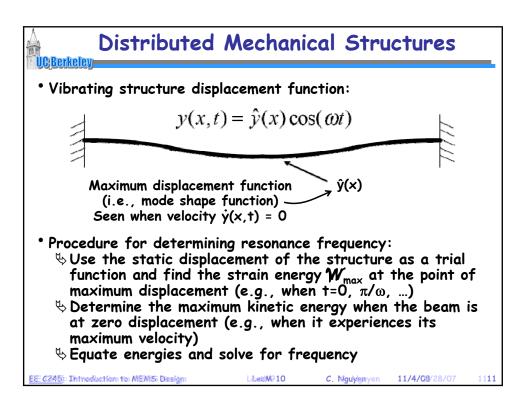
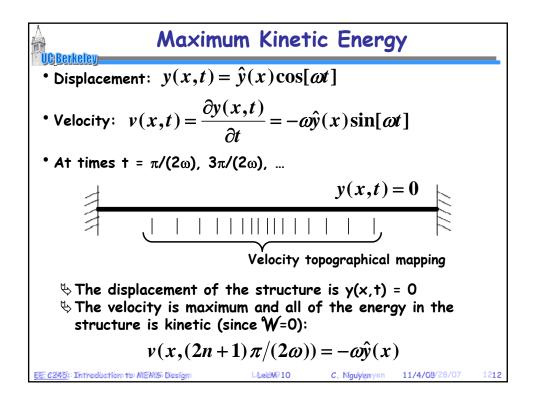


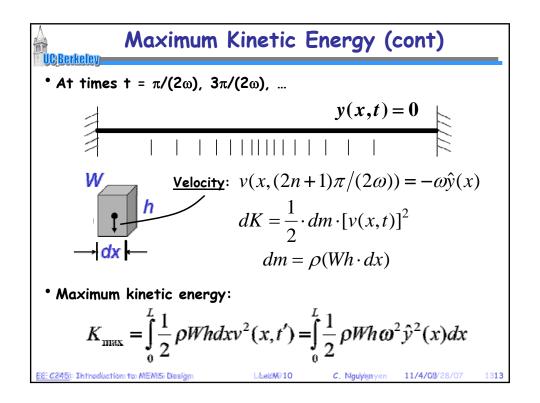
## EE245: Introduction to MEMS Module 10: Resonance Frequency

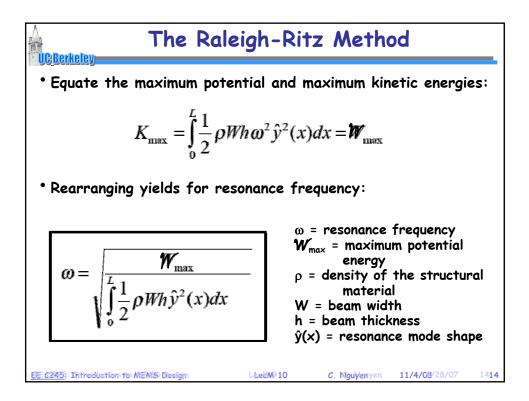


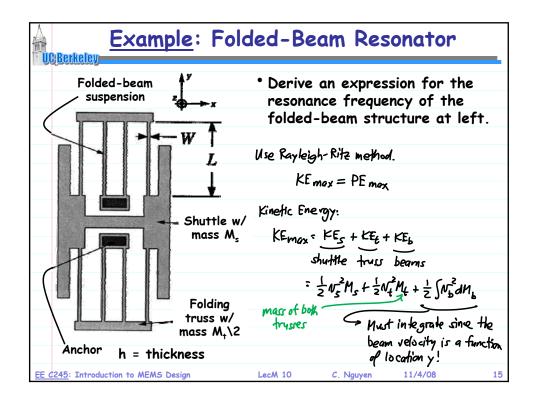


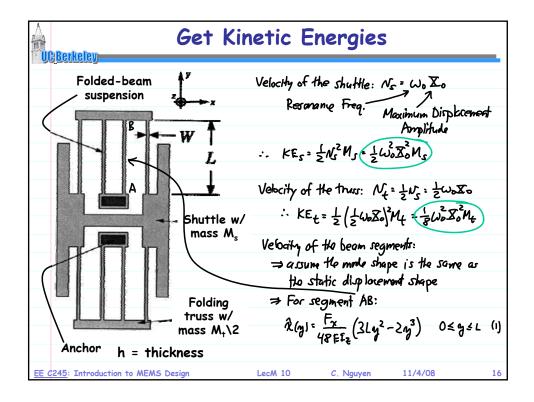


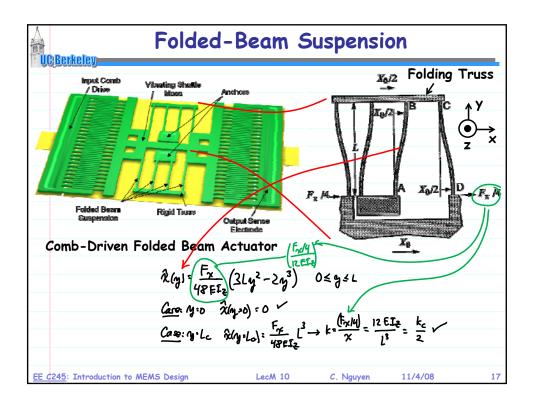


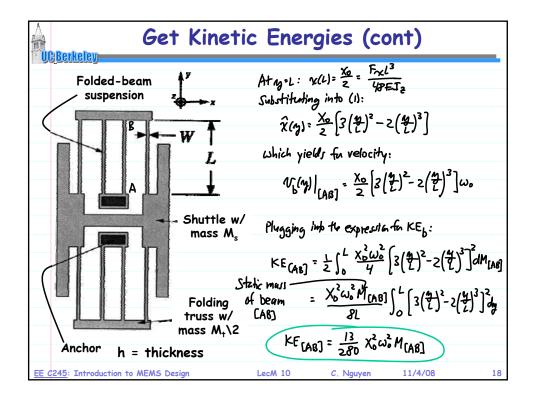


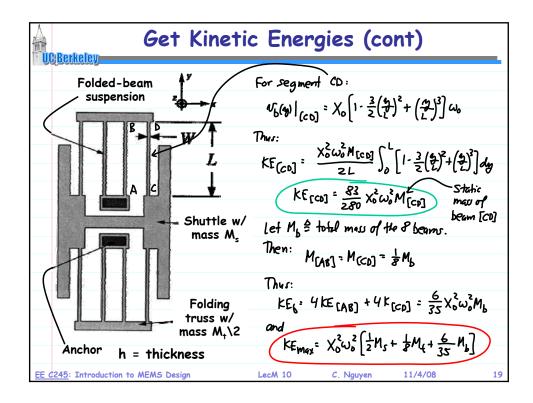


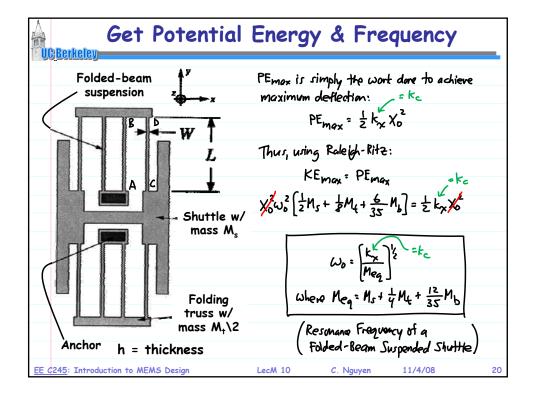


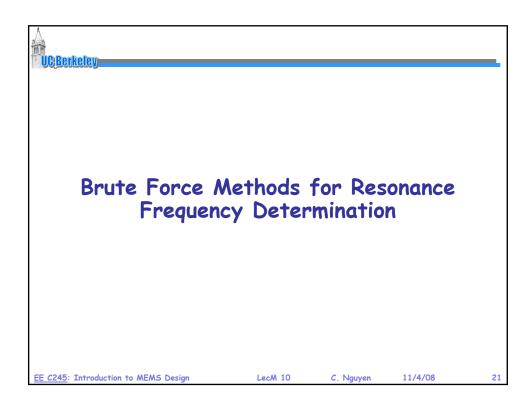


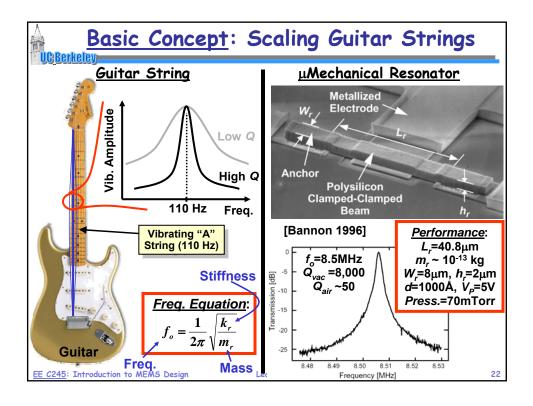


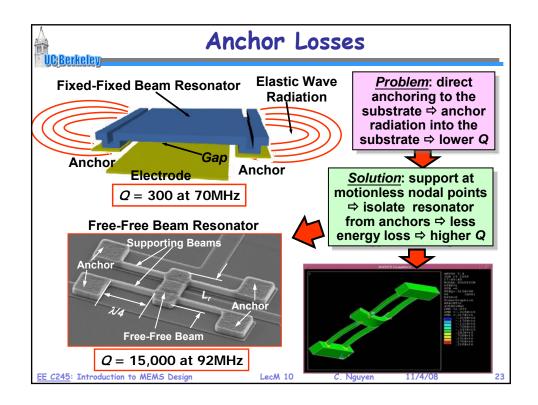


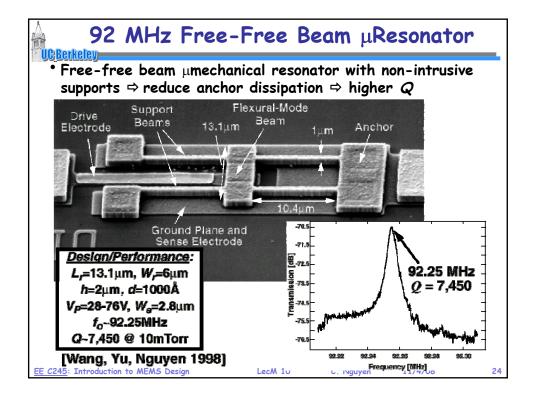


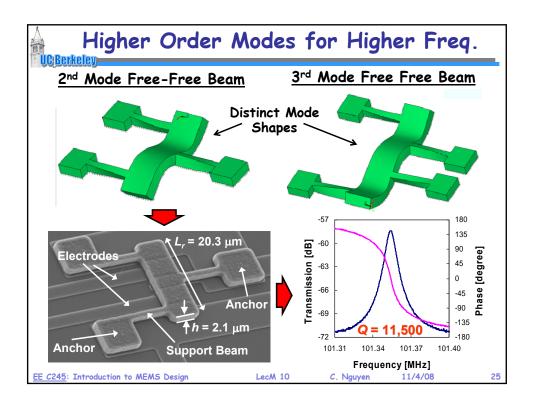


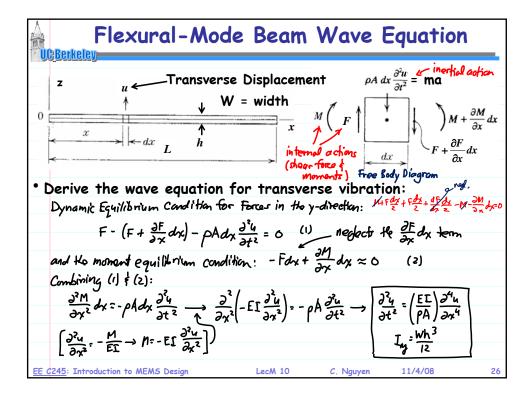


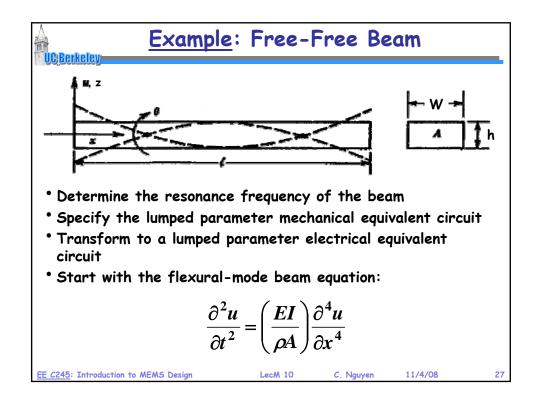


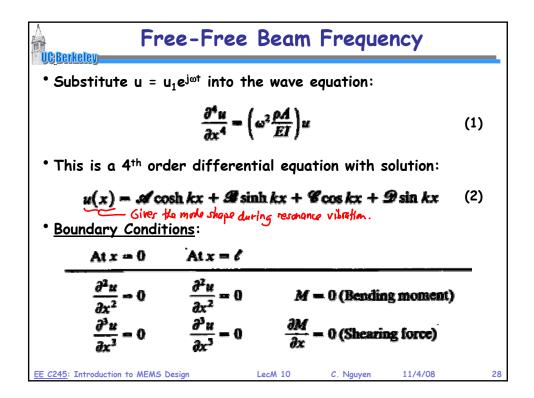


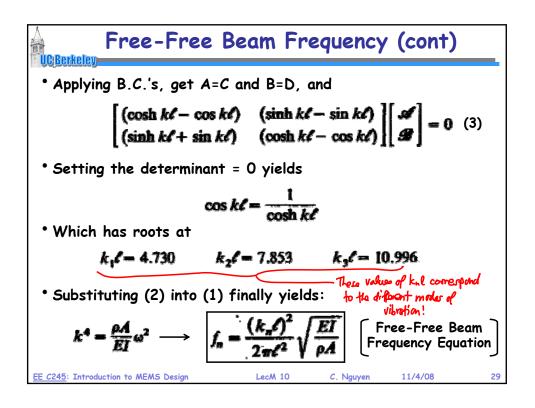












Higher UC Berkeley	Ord	er Fre	e-Fre	ee Bear	n Mod	es
Mode	n	Nodal Points	k"(	5./Si		
Fundamental (f <sub>1</sub> ) 1st Harmonic 2nd Harmonic	1.	2 3	4.730 7.853 10.996	2.757	,	
3rd Harmonic 4th Harmonic	5 4- 5	5 6	14.137	8.932	← Mor	e than ncreas
Xi		/	F	undamental		
X3	(a) (b)		1	<sup>st</sup> Harmonic	(n=2)	
X.	$\frown$	$\searrow$	2 2	<sup>nd</sup> Harmonic	(n=3)	
<u>C245</u> : Introduction to ME	NS Design	Leo	cM 10	C. Nguyen	11/4/08	:

