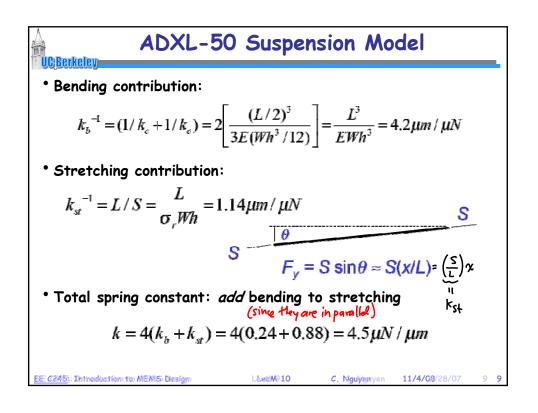
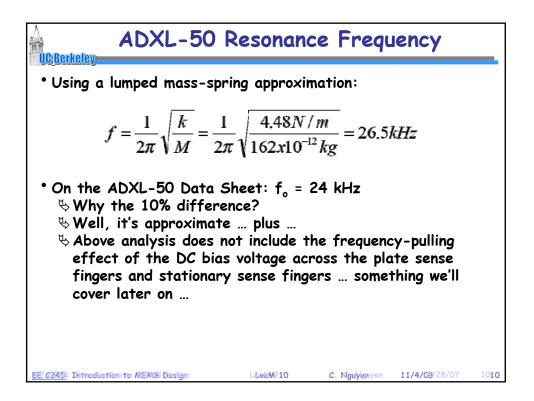
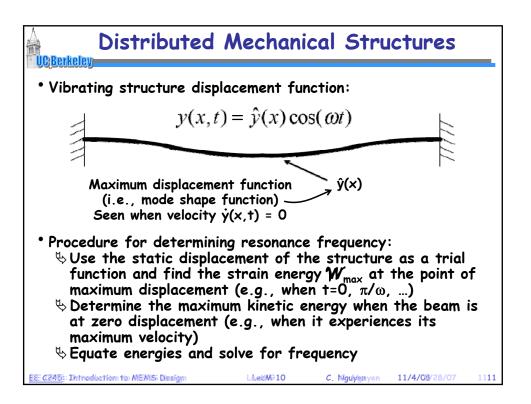
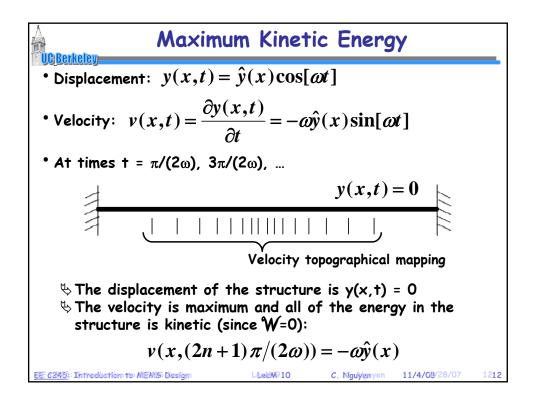


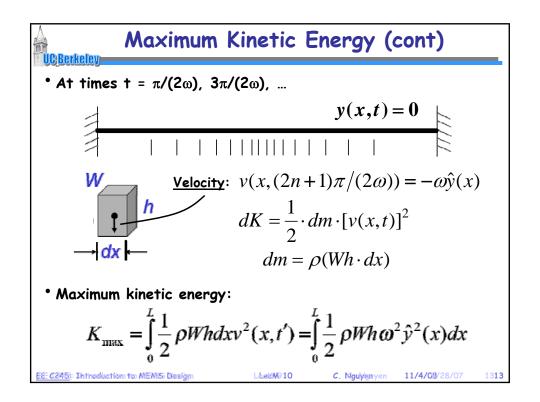
## EE245: Introduction to MEMS Module 10: Resonance Frequency

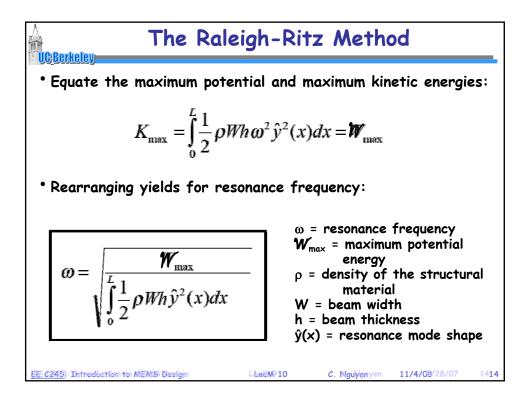


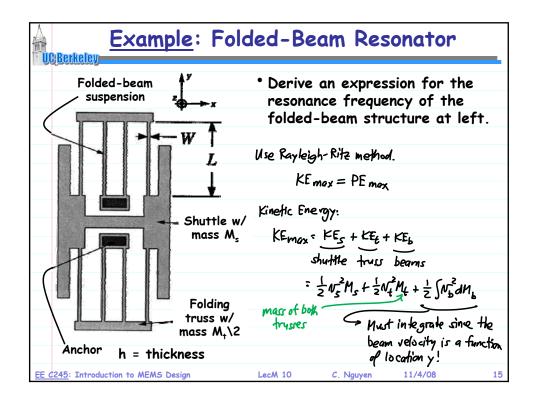


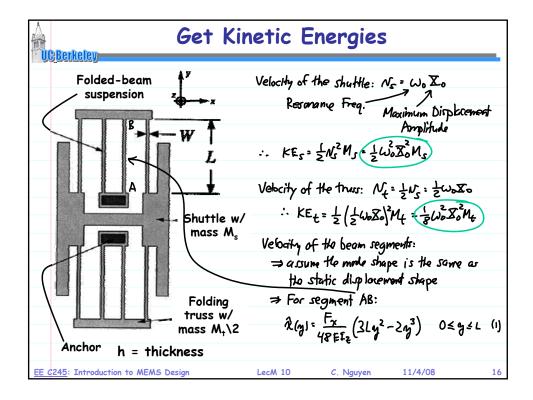


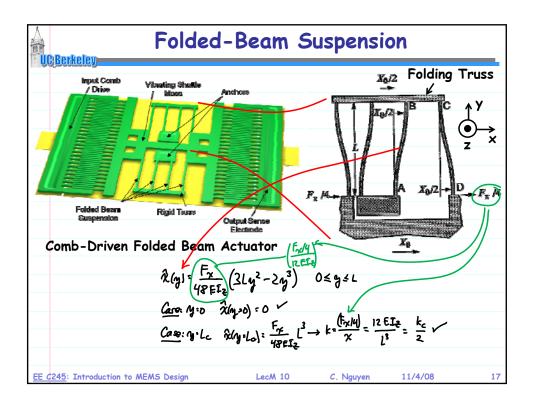


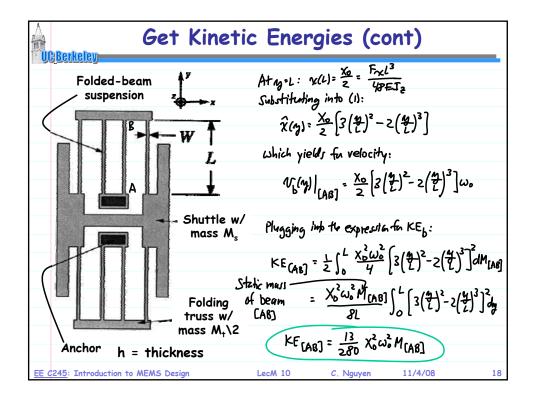




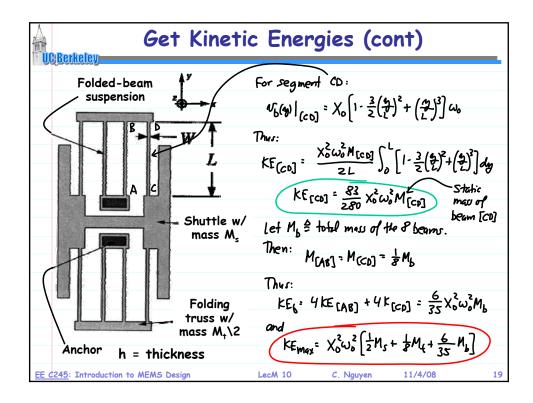


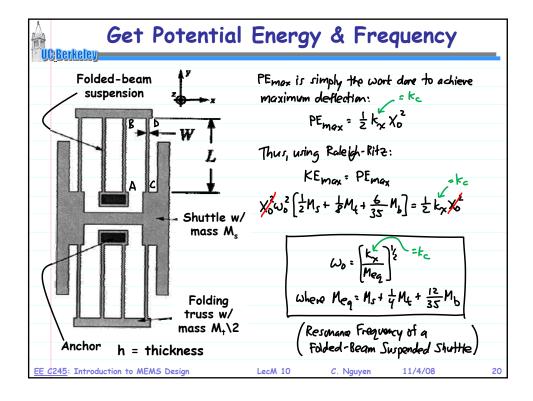


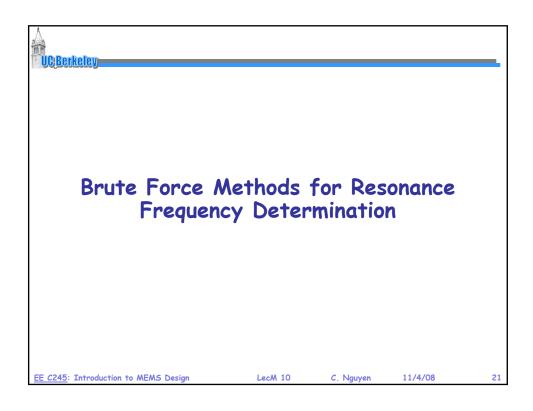


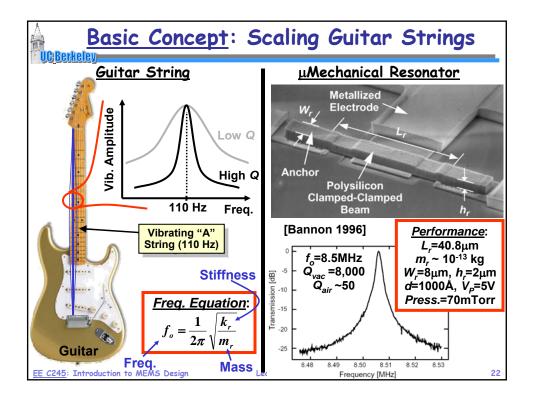


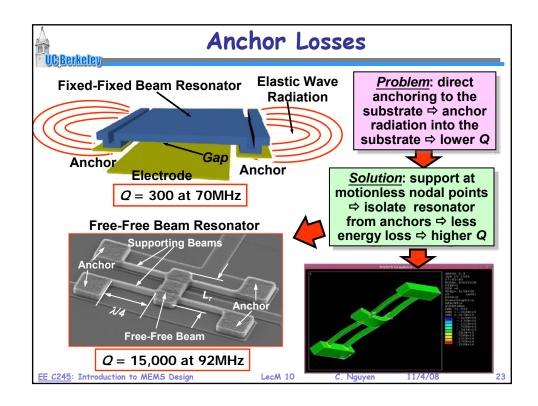
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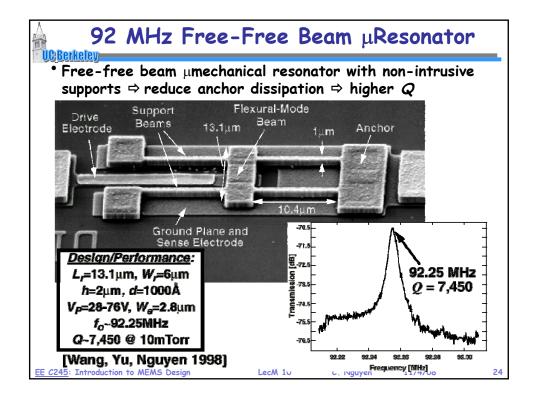


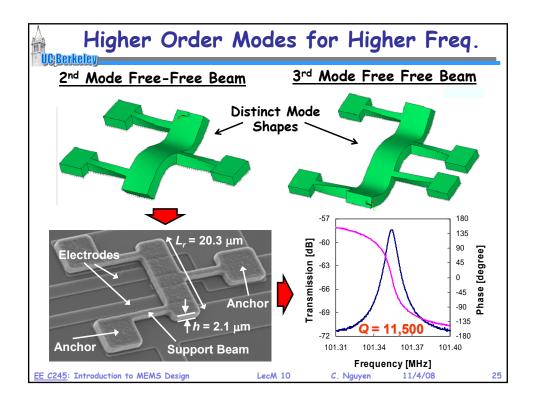


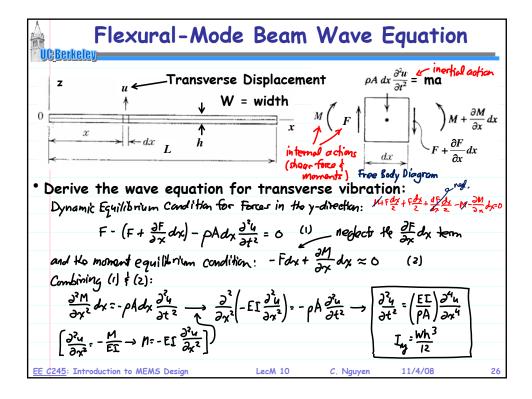


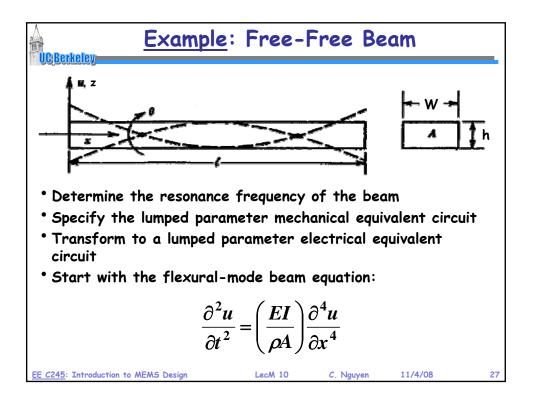


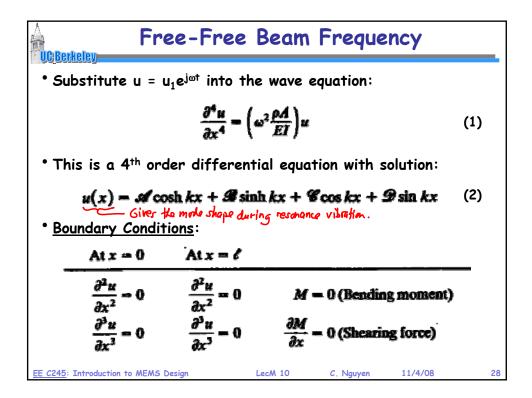


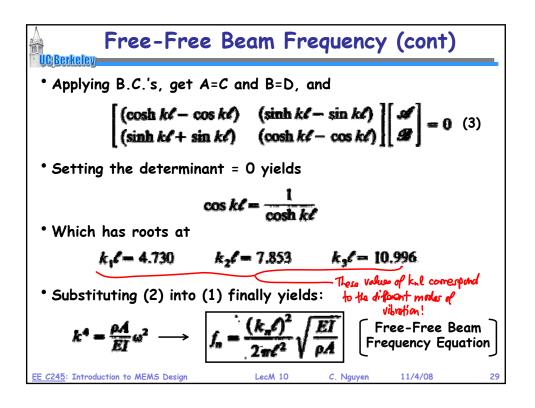












Higher	• Ord	er Fre	e-Free	Bean	n Modes	5
Mode	n	Nodal Points	k"ť	5 <b>.</b> /5;		
Fundamental (f <sub>1</sub> ) 1st Harmonic 2nd Harmonic 3rd Harmonic 4th Harmonic	1 2. 3 4. 5	2 3 4 5 6	4.730 7.853 10.996 14.137 17.279	1.000 2.757 5.404 8.932 13.344		han
XI			Fund	lamental	10x incr Mode (n=1)	eas
X3	(a) (b)		1st H	larmonic	(n=2)	
X3	$\sim$	$\searrow$	2 <sup>nd</sup> +	larmonic	(n=3)	
<u>C245</u> : Introduction to ME/	NS Design	Leo	:M 10 C.	Nguyen	11/4/08	:

