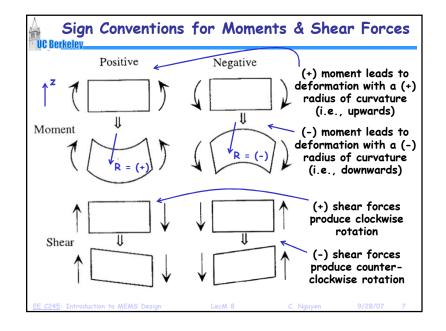
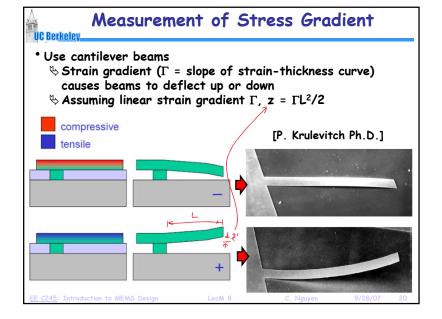
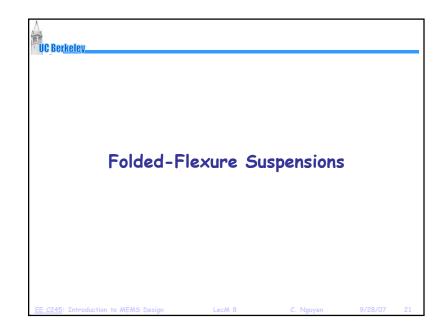
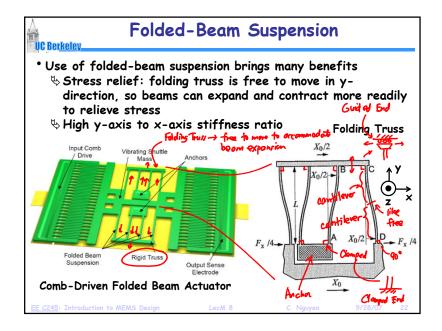
<u>EE 247B/ME 218: Introduction to MEMS Design</u> <u>Lecture 14m: Microstructural Elements</u>





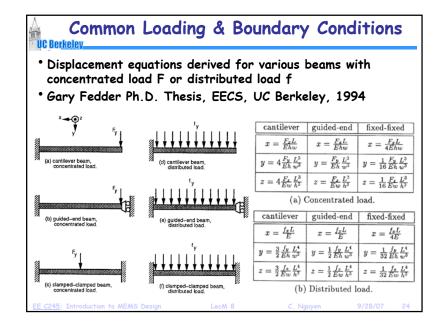




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IABLE 4.1 Types of commonly used support conditions for beams and frames			
Type of support	Displacement boundary conditions	Force boundary conditions	
z ł FREE x.	None	All, as specified	
z PINNED	u = 0 w = 0	Moment is specified	
ROLLER (vertical)	u = 0	Transverse force and moment are specified	-
ROLLER (horizontal)	w = 0	Horizontal force and bending moment are specified	
FIXED or CLAMPED	u = 0 w = 0 dw/dx = 0	None specified	[From Reddy, Finite Element Method]



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