

Parallel-Plate Capacitive Nonlinearity

UC Berkeley

- **Example:** clamped-clamped laterally driven beam with balanced electrodes
- **Nomenclature:**

V_a or v_A
 $v_a = |v_a| \cos \omega t$
 V_A
 V_a or $v_A = V_A + v_a$
 Total Value
 AC or Signal Component
 (lower case variable;
 lower case subscript)
 DC Component
 (upper case variable;
 upper case subscript)

Electrode
 Conductive Structure
 k_m
 d_1
 m
 x
 F_{dl}
 v_1
 V_1
 V_p

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