

UC Berkeley

Parallel-Plate Capacitive Nonlinearity

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

V_a or v_A $v_a = |v_a| \cos \omega t$
 V_A
 t

V_a or $v_A = V_A + v_a$
 Total Value (upper case variable; upper case subscript)
 AC or Signal Component (lower case variable; lower case subscript)

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

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