



Ceq = 40 m N1= N2 Ceq = C1+ C2 2 = Cen = 3 Qa=Qi fQ2 1 f = - Ceq Series 10 MF Q1=Q2

Eenergy stored in a calacitor $\mathcal{L} = \begin{bmatrix} 3^2 \\ 2C \\ 7 \end{bmatrix} = \begin{bmatrix} 2Q^2 \\ 2Q^2 \end{bmatrix}$ $Q = CDV = \frac{1}{2}C(DV)$ parallel Plate, C= EDA => MEZ 2 2 CDA/d ZEDA DU = 1 COATED = CA

ME = Z COAd E tnergy classity = $\frac{1}{2} = \frac{2}{2}$ J/ms Dielectril (insulator) C= Coff

C= pastac

Aiclectric

Miclectric

T = P X E = PE Sin Q

Vector product

NE = - P · E = PE cos Q

No P electric dipole moment = 299