

= Eq. for Reranance Freq:
$f_0 = \frac{1}{2\pi} \sqrt{\frac{k}{m}} = 1.03 \sqrt{\frac{E}{\rho}} \frac{h}{l^2} \qquad (1)$
What E= Young's modulus of elasticity [GPa]
e <sup>\$</sup> dansity [kg/m³]
h = thickness [m]
Lª longth [m]
Example_ L=40 um, h=2 um
polysi - E= 1506Pa, p= 2800 kg/m3
$f_{0}^{2}(1.03)\sqrt{\frac{150}{2300}} \frac{2}{(40\mu)^{2}} = f_{0}^{2}(1.03)\sqrt{\frac{150}{2300}} \frac{2}{(40\mu)^{2}}$
generater elactrial Why init this P.S.Mtz?
Electric Field (as meanuned)
D C C C C C C C C C C C C C C C C C C C
Vp I Subohate Wo-Jkm-ke
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