1.22

$$= 1 + A \int_{\omega_1}^{\omega_2} \frac{1}{\omega'^2 - \omega^2} d\omega'^2 = 1 + A \left| m \left| \frac{\omega^2 - \omega}{\omega^2 - \omega^2} \right| A = \frac{Ne^2 f_0}{4\omega m}$$
Refer to the second of the seco



