Equations for my home page

$$K = \frac{\left(\int |F(x)|^2 dx\right)^2}{\left|\int F^2(x)dx\right|^2} \tag{1}$$

$$\left(\frac{2g}{\Gamma_{\text{cav}}}\right)\left(\frac{2g}{\Gamma_{\text{atom}}}\right) = \frac{3\lambda^3 Q}{4\pi^2 V} \equiv F_p \tag{2}$$

$$g = \frac{\mu}{\hbar}\sqrt{\frac{2\pi\hbar\omega}{V}} \tag{3}$$

$$Q = \frac{\omega}{\Gamma_{\text{cav}}} \tag{4}$$