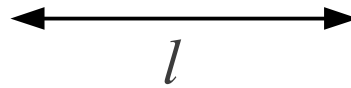


$$P = S A$$



$$dV = A dz$$

$$\eta = \frac{d\sigma}{dV} = \frac{\pi^5}{\lambda^4} |K|^2 Z$$

$$dP = -\frac{2}{3} S \sigma = -\frac{2}{3} S \eta dV = -\frac{2}{3} S \eta A dz = -\frac{2}{3} P \eta dz$$

$$|K|^2 \approx 0.93$$

$$\frac{dP}{P} = -\frac{2}{3} \eta dz$$

$$\int_{P_1}^{P_2} \frac{dP}{P} = \ln \frac{P_2}{P_1} = \int_0^l -\frac{2}{3} \eta dz = -\frac{2}{3} \eta l$$

$$R \approx 12 \text{ mm/h}$$

$$Z \approx 40 \text{ dBZ}$$

$$Z \approx 10^{-14} \text{ m}^3$$

$$a_{dB} = 10 \log_{10} \frac{P_2}{P_1} = \frac{10}{\ln 10} \ln \frac{P_2}{P_1} = \frac{-20 \pi^5 |K|^2}{3 \lambda^4 \ln 10} l Z \approx -0.00304 \text{ dB}$$

$$l = 1 \text{ km}$$

Slabljenje sipanja padavin