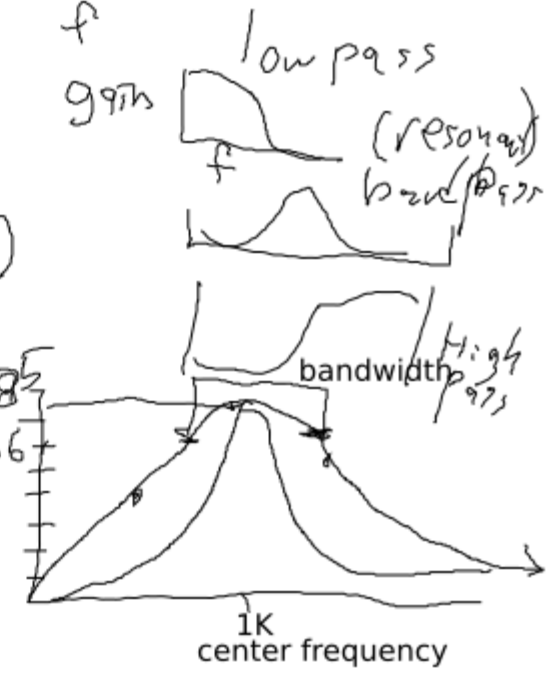


$$g(f) = \frac{a_2(a_1, f)}{a_1}$$

$$g_{dB}(f) = 20 \log_{10} \left(\frac{a_2}{a_1} \right)$$

frequency response



$$Q = \frac{1}{\frac{bw}{cf}} = \frac{cf}{bw}$$

$$\frac{cf}{bw} = 3 \quad bw = \frac{cf}{3}$$

"quality"