

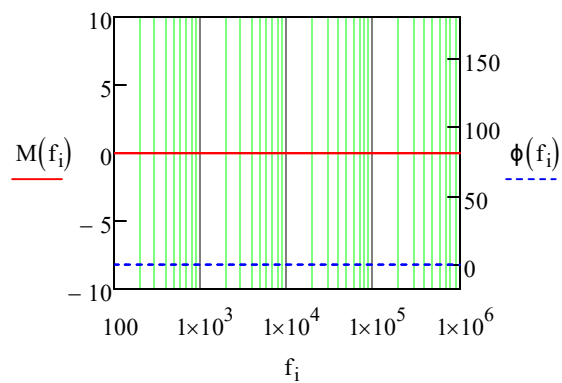
$$f_0 := 6.22\text{kHz} \quad j := \sqrt{-1} \quad \underline{\underline{C}} := 10\text{nF} \quad \underline{\underline{R}} := \frac{1}{2 \cdot \pi \cdot C \cdot f_0} = 2.559 \times 10^3 \Omega$$

$$R_F := 2 \cdot R = 5.118 \times 10^3 \Omega$$

$$\underline{\underline{T}}(f) := \frac{-1}{(j \cdot 2 \cdot \pi \cdot f_0 \cdot R \cdot C)^2 + \left(\frac{1}{2} - \frac{R}{R_F}\right)(j \cdot 2 \cdot \pi \cdot f_0 \cdot R \cdot C)}$$

$$f_{\text{start}} := 100\text{Hz} \quad f_{\text{stop}} := 1000\text{kHz} \quad \underline{\underline{N}} := 1024 \quad i := 0..N-1$$

$$M(f) := 20 \cdot \log(|T(f)|) \quad \phi(f) := \frac{180}{\pi} \cdot \arg(T(f)) \quad f_i := f_{\text{start}} \cdot \left(\frac{f_{\text{stop}}}{f_{\text{start}}}\right)^{\frac{i}{N-1}}$$



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