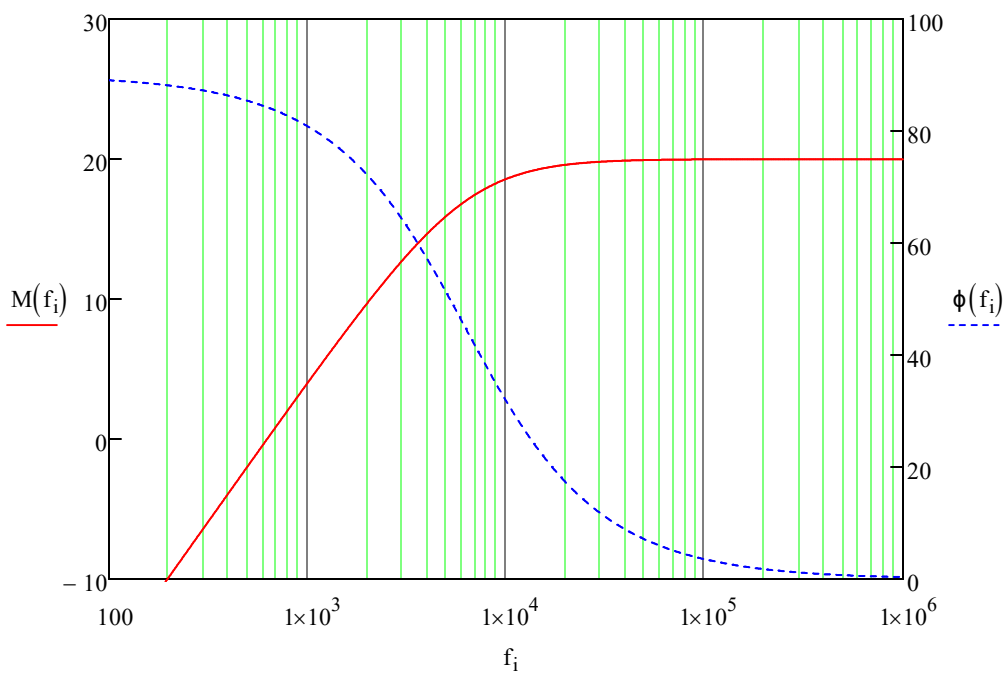


$$f_{crit} := 6.22\text{kHz} \qquad j := \sqrt{-1} \qquad \underset{\text{wv}}{K} := 10^{\frac{20}{20}} = 10 \qquad \underset{\text{wv}}{C} := 0.1\mu\text{F} \qquad R_B := 3\text{k}\Omega \qquad R_A := 27\text{k}\Omega$$

$$\underset{\text{wv}}{R} := \frac{1}{2 \cdot \pi \cdot f_{crit} \cdot C} \qquad \underset{\text{wv}}{T}(f) := K \cdot \frac{\frac{j \cdot f}{f_{crit}}}{1 + j \cdot \frac{f}{f_{crit}}}$$

$$f_{start} := 100\text{Hz} \qquad f_{stop} := 1\text{MHz} \qquad \underset{\text{wv}}{N} := 1024 \qquad i := 0..N-1 \quad f_i := f_{start} \cdot \left(\frac{f_{stop}}{f_{start}}\right)^{\frac{i}{N-1}}$$

$$M(f) := 20 \cdot \log(|T(f)|) \quad \phi(f) := \frac{180}{\pi} \cdot \arg(T(f))$$



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