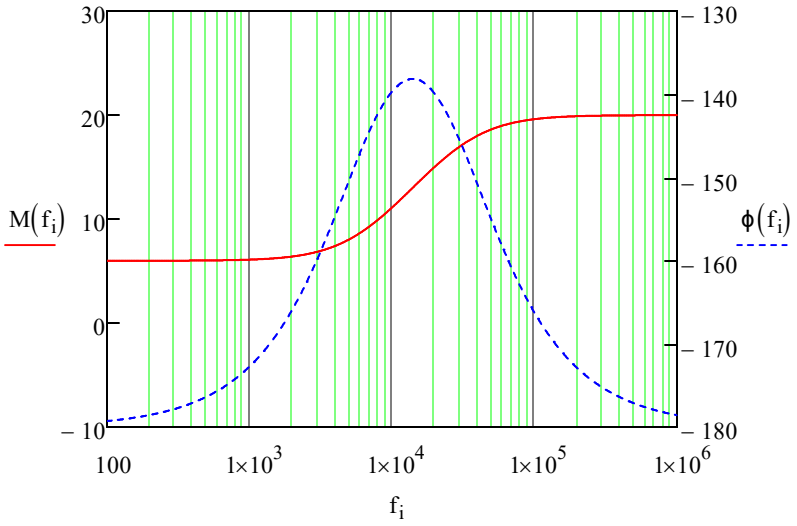
$f_{crit} := 6.22kHz$ $f_z := f_{crit}$ $C := 0.015\mu F$ $K := -(10)^{\frac{6}{20}} = -1.995$ $K_H := -(10)^{\frac{20}{20}} = -10$

$\tau_z := \frac{1}{2 \cdot \pi \cdot f_z}$ $R_2 := \frac{\tau_z}{C}$ $j := \sqrt{-1}$

$R_F := \frac{R_2}{\frac{1}{K_H} - \frac{1}{K}}$ $R_1 := \frac{-R_F}{K_H}$ $\tau_p := \frac{K}{K_H} \cdot \tau_z$ $f_p := \frac{1}{2 \cdot \pi \cdot \tau_p}$ $T(f) := K \cdot \frac{1 + j \cdot \frac{f}{f_z}}{1 + j \cdot \frac{f}{f_p}}$

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

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



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