

# ECE 4435 Design Project 1 Bode Plot

$n := 0..200$

$$f_n := 1 \cdot \left( \frac{100000}{1} \right)^{\frac{n}{200}}$$

$$F(x) := \left| \frac{j \cdot \frac{x}{20} \cdot 1 \cdot 1 + j \cdot \frac{x}{400}}{1 + j \cdot \frac{x}{20} \cdot 1 + j \cdot \frac{x}{20000} \cdot 1 + j \cdot \frac{x}{1200}} \right|$$

