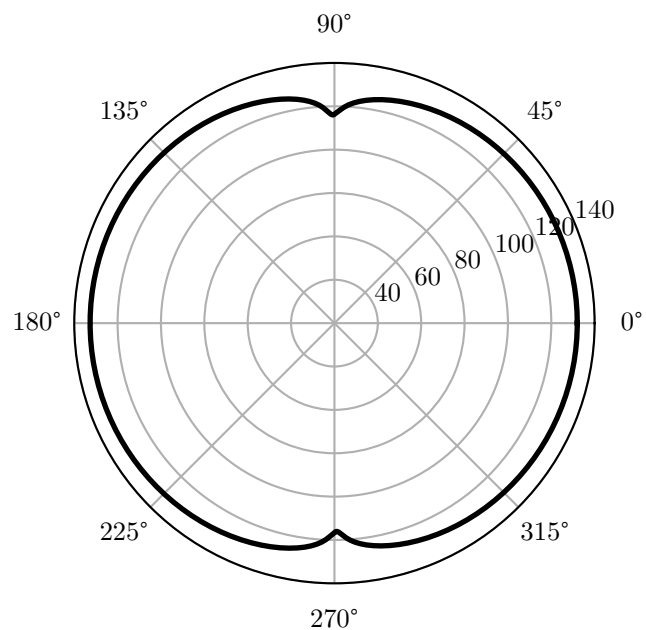
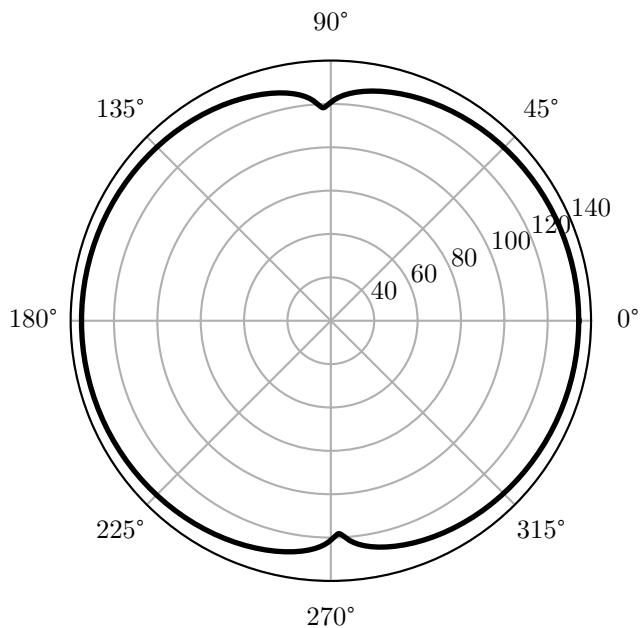


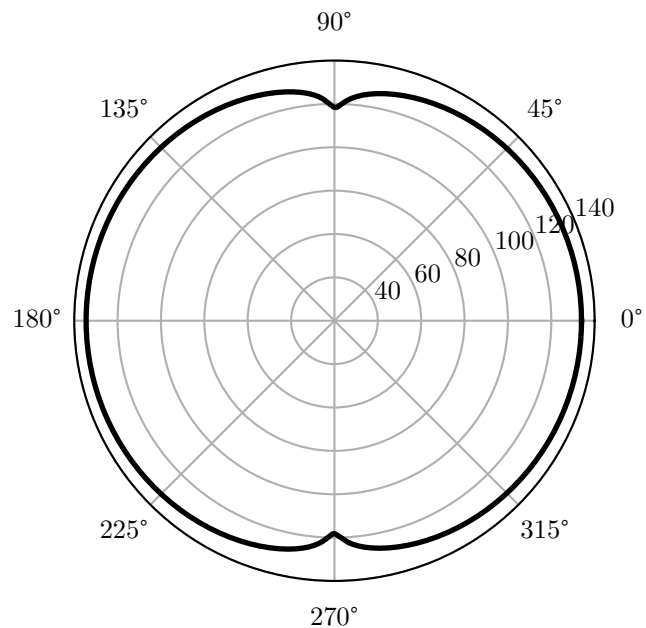
(a) Acoustic pressure field at the tube exterior for $\hat{p}_0(\theta, k_z) = \cos(\theta)$ (dB re $1\mu\text{Pa}^2/\text{Hz}$)



(b) Acoustic pressure field at the tube interior at 10Hz (dB re $1\mu\text{Pa}^2/\text{Hz}$)



(c) Acoustic pressure field at the tube interior at 100Hz (dB re $1\mu\text{Pa}^2/\text{Hz}$)



(d) Acoustic pressure field at the tube interior at 1000Hz (dB re $1\mu\text{Pa}^2/\text{Hz}$)