

ECEn 563
Numerical Methods

Homework #20
Due Apr. 1, 2026

1. Choose one of your modeling codes to use as a forward model for the next homework assignment. Modify the post processing to compute backscattering width as a function of angle.
(a) Check your code for a circular PEC cylinder. Plot the analytical bistatic scattering width on top of your simulated monostatic backscattering width and make sure the backscattering width is correct. (b) Check your code using the benchmark case on the course website.