

Radar Cross Section Engineering Homework 2

Ged Miller

University of Oklahoma

Dr. Yan Zhang

ECE-5973-004

September 12th, 2023

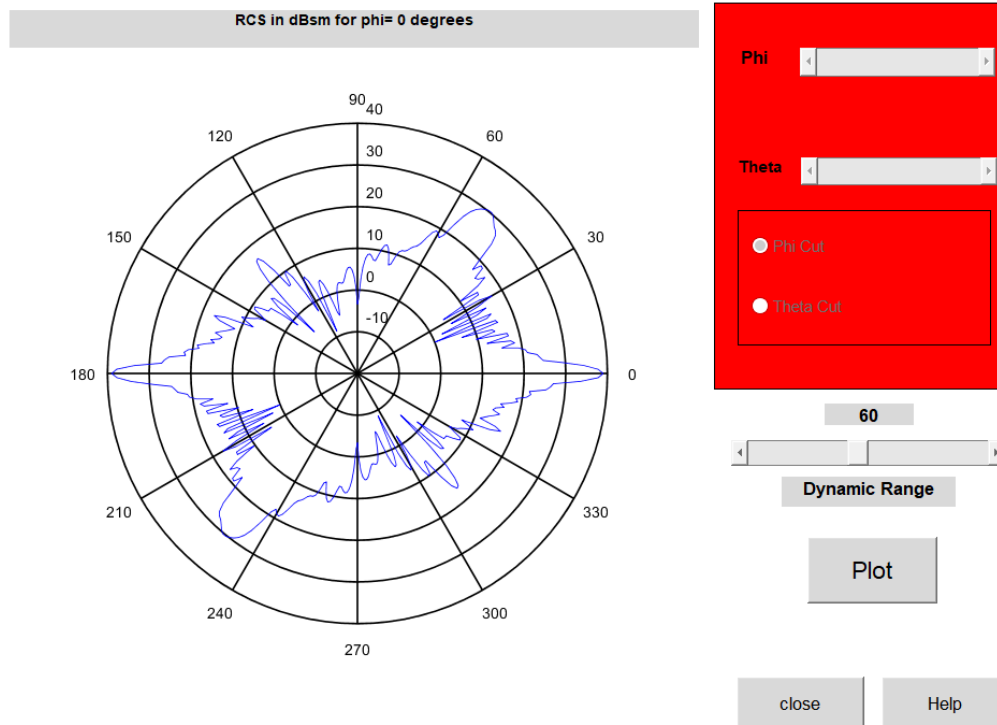


Figure 1: Polar Plot of Simplified RCS Target.

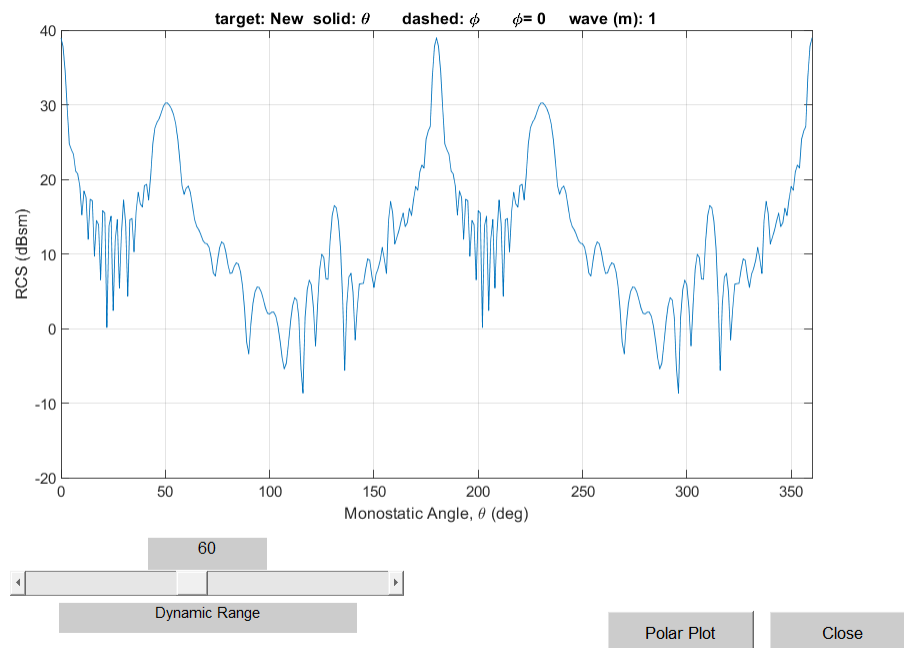


Figure 2: Linear Plot of Simplified RCS Target.

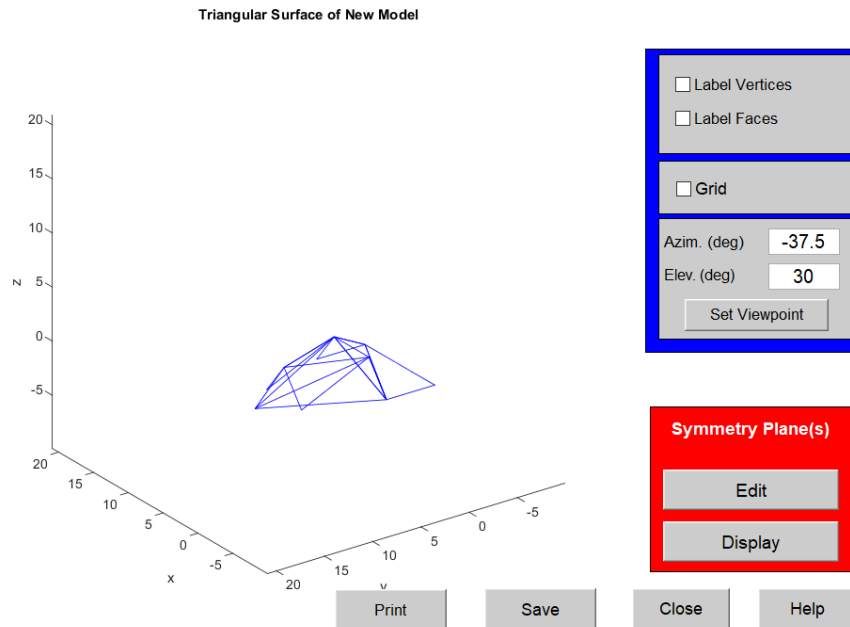


Figure 3: 3D Model of Simplified RCS Target.

My values are different than in 6.7 and 6.8 for several reasons. First, the simplified model did not import correctly to POFACETs. Some of the vectors do not line up properly to make the model as shown in the book. Secondly, the polar plot is shifted for $\theta = 53$ deg. So the polar plot looks different.