Homework 1: ECE 6390 Fall 2012

Due 9/13/2011, you may work in *singles* or *pairs* (be sure both members names are on the final submission)

Elliptical Orbits

Search the internet and find an elliptical (e>0.1), inclined satellite in earth orbit. Track the orbit using the numerical difference equations described in class. Pick a meaningful vantage point on earth and plot the sky track of the satellite over time using elevation and azimuth look angles. Include all computer codes in your final submission. Write a brief paragraph describing the use of the satellite that you have chosen.