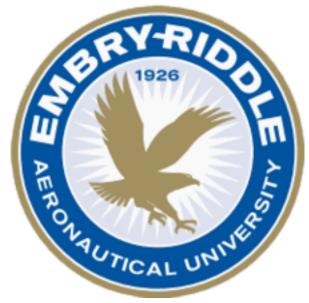
Homework 4



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Submitted to: Professor Karla Martin College of Engineering

In Partial Fulfillment of the Requirements of

AE 313 Space Mechanics Spring, 2019

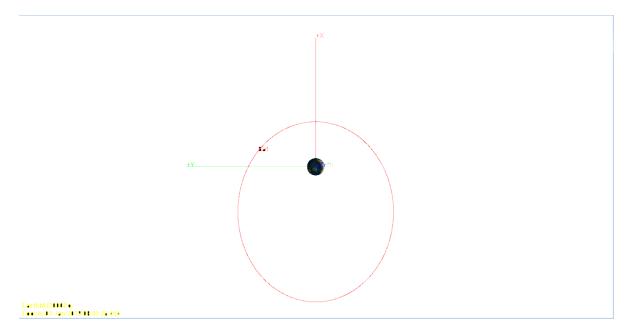


Figure 1: Earth Only Propogator

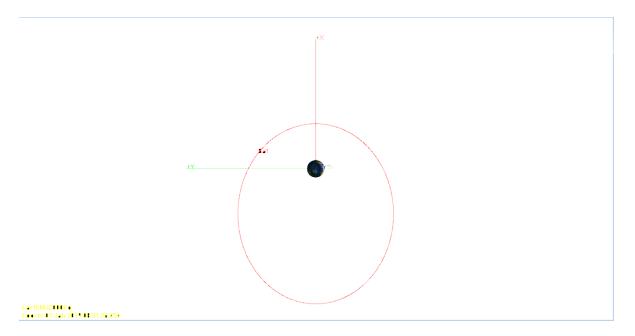


Figure 2: EMS Propogator

There is no apparent difference between the satellite's behavior in an Earth system vs an Earth-Moon-Sun system. It does seem reasonable to work with an Earth point mass model due to the fact that in 2-body relative motion each body affects the other like a point mass.