This is the pre LATEX write up. A LATEX write up will come when this is all done.

Abastract

Stages

1. Explain Problem
   1. Space debris
      1. Threat to satellites
      2. Kessler syndrome
2. TLE
   1. Go through Two Line element file type
      1. Explain details of Two Line Element file
3. Norad
   1. Explain space-track.org
4. The code
   1. Explain how the code works

Latex Files

At the moment I am using the thesis class, I should look for others

Structure

* TOC/ TOT, TOF
* Acknolwdments
* Abstract
* Introduction
  + Debris (the problem)
  + Cube Sats
  + Talk about Oscar?
* TWO Line elements
  + Desribe how they work and stuff
* SATACT?
* NOARD Space-Track
  + Explain they give SATCAT and TLE
  + Querys
* The Code

Citations

Use ciataiton file on github

Thanks to

Details about NORAD and here

Get\_SATCAT.m is the MATLAB file that gets the satellite catalog numbers of all orbital debris launched after a given year and with the “RCS\_SIZE” value equal to “SMALL”. They want your can be determined by the user's input by default is sets 1990 however if you desire more or less information it can be adjusted. No hear that putting the launch here as earlier than 1990 can cause a timeout error as the values to a large if this occurs the timeout value should be adjusted to be longer.