

ME 596 Spacecraft Dynamics: Homework Assignment 1

Your submission must be submitted as a report, by which I mean your work must be written out as it would be in a report, you must show all your work, your answers should be clearly stated using complete sentences and references as appropriate, and the entire assignment must be neatly written or typeset. Note well that submitting a screen shot of your Matlab work does not constitute a report.

You must include your name, course number, and assignment number at the top of the first page.

You must upload your work as a *single* pdf file by 11:59 PM on the due date.

Select a spacecraft and find several resources that describe the spacecraft. Using the knowledge that you gain in this research endeavor, write a short essay (2 pages) that describes the spacecraft. In your essay, discuss the vehicle, its mission, its history, its accomplishments, and its current status. Also, discuss the spacecraft's attitude determination and control system, including technical details about the spacecraft's sensors and control actuators. Provide documentation for the sources that you use to write your essay.