THIS IS THE TITLE

by

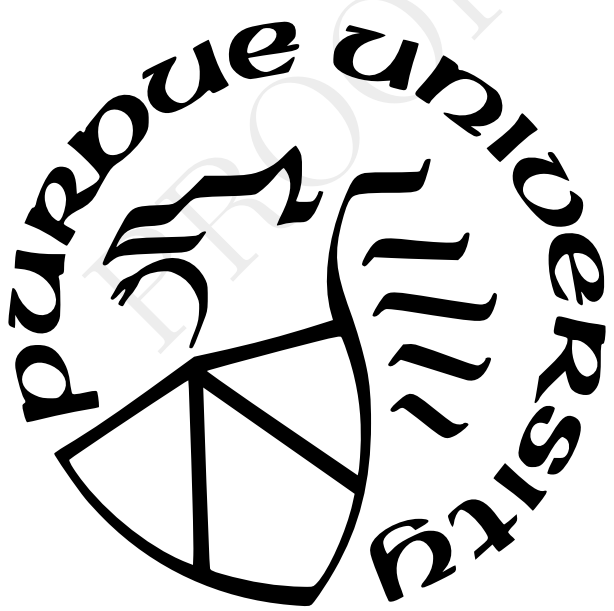
Henri Poincaré

A Dissertation

Submitted to the Faculty of Purdue University

In Partial Fulfillment of the Requirements for the degree of

Doctor of Philosophy



School of Aeronautics and Astronautics

West Lafayette, Indiana

May 2023

THE PURDUE UNIVERSITY GRADUATE SCHOOL
STATEMENT OF COMMITTEE APPROVAL

Dr. Kathleen C. Howell, Chair

School of Aeronautics and Astronautics

Dr. Carolin Frueh

School of Aeronautics and Astronautics

Dr. Dengfeng Sun

School of Aeronautics and Astronautics

Dr. James M. Longuski

School of Aeronautics and Astronautics

Approved by:

Dr. Gregory A. Blaisdell

Here is my dedication

ACKNOWLEDGMENTS

Purdue University's Engineering Computer Network and Graduate School helped fund PurdueThesis development.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

ABSTRACT

PurdueThesis is a LaTeX document class used for master's bypass reports, master's theses, PhD dissertations, and PhD preliminary reports. This template demonstrates how to use PurdueThesis.

1. INTRODUCTION

Experimenting with the available typographic conventions defined in the Purdue file: `pa-typographic-conventions.sty`: these include *Emph First Title* Keys `Literal` Menu Open menu > Preferences **`Shell.sh`**. Now let's try out a footnote[1], one of the fancy TODO notes , and more scary TODO , as well as a a todo error as well as a citation [1]. Note the TODO comments currently only show up in `quick` or `debug` modes (for now).

1.1 Subcaption / Cleveref Testing

Here is a very important and informative figure for Orion. You can see in Figure 1.1 that there is both Figure 1.1(a) and Figure 1.1(b)! There is also important information in Table 1.1. If you're confused, then Equation (1.1) should clarify things. Some other ways to put it: Equations (1.1) and (1.2) and Equations (1.1) to (1.3).

1.1.1 Important Math

$$e^{i\pi} + 1 = 0 \tag{1.1}$$

$$a^2 + b^2 = c^2 \tag{1.2}$$

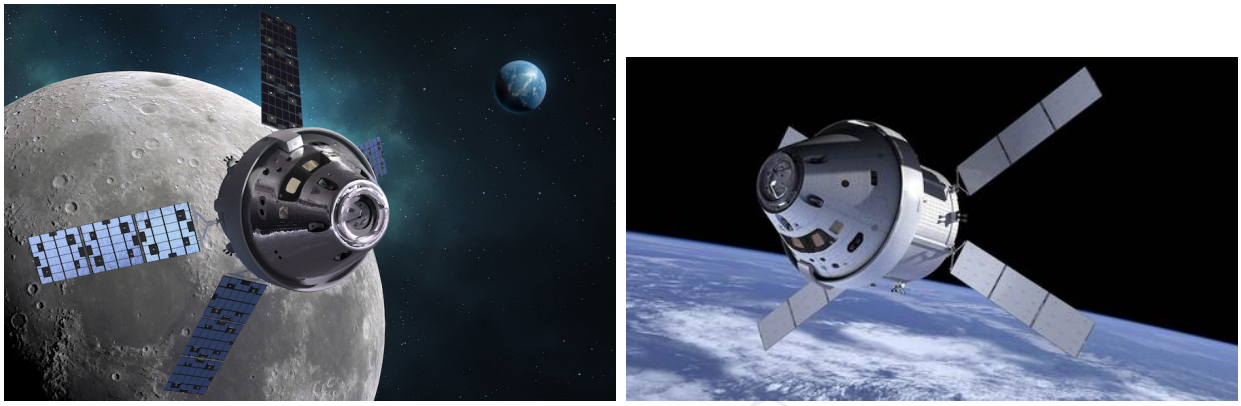
$$\frac{df}{dt} = \lim_{h \to 0} \frac{f(t+h) - f(t)}{h} \tag{1.3}$$

1.1.2 Numbers/Units

Some of the number formats available: -10^{10}. 2×4. 10 to 11. 12.3°.

Experimenting with the siunits package: $8\ \mathrm{kg\,m\,s^{-2}}$. 9N. $2.3 \times 10^{27}\ \mathrm{kg}$. $1.345\ \frac{\mathrm{C}}{\mathrm{mol}}$.

[1] ↑I'm a footnote!



(a) Orion 1 (b) Orion 2

Figure 1.1. Two images of Orion: (a) and (b).

Table 1.1. Sample Table

Sample x	Table 2

A subsubsection

A subsubsection for testing out the table of contents

A paragraph

What happens for a paragraph in the table of contents?

2. BACKGROUND

Background information etc

VITA

[Put a brief autobiographical sketch here.]

REFERENCES

[1] K. C. Howell, "Three-dimensional, periodic, 'halo' orbits," *Celestial Mechanics*, vol. 32, no. 1, pp. 53–71, 1984. DOI: 10.1007/BF01358403.