[Type the author(s)]

[Abstract]

ADCS

Attitude Determination and Control System

Revision: 1.0.0



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# 1 Introduction

Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/introduc.htm>

There is no need to include background on what a CubeSat is. The main CougSat-1 documentation covers this.

# 2 Theory

Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/theory.htm>

Use sections if applicable

## 2.1 Physics

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## 2.1 Electrical components

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# 3 Design Criteria

This system should do this be successful. Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/designcr.htm>

# 4 Design Considerations

Explain the relevant design considerations for the project

# 5 Detailed Description

Include all relevant hardware this project is made of. Use sections is appropriate.

## 5.1 Functional Block Diagram

This diagram shows how our system works

## 5.1 Hardware

This chip does \_\_\_\_\_\_\_, we choose it because it is \_\_\_\_\_

We did/did not use \_\_\_\_\_ because they do \_\_\_\_\_\_ in space

## 5.3 Software

Our software controls \_\_\_\_\_\_ because \_\_\_\_\_\_\_

# 6 Testing

Explain how the system is tested and evaluated for completeness

## 6.1 Testing Apparatuses

We built/use \_\_\_\_\_\_ that allows us to test \_\_\_\_\_

## 6.2 Results

Graphs, tables, statistics, oh my!

# 7 Discussion

Were all requirements just met or came out better. Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/discuss.htm>

# 8 Conclusion

Summarize all relevant information. Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/conclusi.htm>

# 9 Recommendations

What to do next? What to improve? Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/recommen.htm>

# 10 Appendix

Include materials that are not essential to the document but give more information for those who want it. Follow this guide: <http://www.mhhe.com/mayfieldpub/tsw/appendix.htm>

If a drawing is not natively a portrait letter size, change that single page to make the drawing’s format. Follow this guide: <http://blogmines.com/blog/how-to-have-different-page-size-in-the-same-document-in-word-2010/>

## 10.1 Bill of Materials

Tables are cool

## 10.2 Mechanical Drawings

Measurements measure millimeters

## 10.3 Full Schematic

Wires