Fall 2019 ME751 Final Project Report

University of Wisconsin-Madison

Simulation of Robotic Gripper Using Chrono

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December 14, 2019

**Abstract**

The text of the abstract comes here. Use font size 12 throughout the document.   
IMPORTANT NOTE: The name of the file for your Final Project report should be me751FirstnameLastname.pdf. Like me751DanNegrut.pdf. Drop this Final Project report in Canvas in the folder “FinalProject751” by Tuesday, December 14, at 2:45 PM. Do not go beyond 10 pages unless you really feel like you have to (page count doesn’t include TOC, abstract, etc.). Feel free to use a LaTeX source as long as you follow this format; in the end, you will be uploading a PDF anyway.

Please make sure that you include in this \*abstract\* a link to the git repo for your project. Using this link (i) we will fork the project code (particularly important for multi-student teams); (ii) we will look at the progress history for your project as documented by git.   
To verify that you provided the *right* git link, click on it. It should take you to your git repo.

[If this link to your repo is missing, your score can not be higher than 98%]

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# General information

1. Home Department: Mechanical Engineering
2. Current status: PhD student
3. Mike Hagenow (Team Leader)
4. I release the ME751 Final Project code as open source and under a BSD3 license for unfettered use of it by any interested party.

# Problem statement

Explain in clear terms what you wanted to accomplish. If you go w/ a default project, simply indicate so. Please use here the material that you provided in your Final Project proposal.

As part of this section, touch on the motivation/rationale for your project selection. Explain why you chose to work on this project. For instance, if it’s work related, explain in rough terms what the big process is, and what part you’re trying to take care of.

# Solution description

Indicate how you went about implementing your solution. Explain data structures, algorithms used, code structure, function you implemented, etc. Provide a panoramic snapshot of your Final Project effort.

# Overview of results. Demonstration of your project

Explain here what you obtained, explained why the results are good/bad. This is the place where you talk about the outcomes of your Final Project effort. It is not the end of the world if your code doesn’t work as anticipated. Explain here how far you have made it.

Most often, you have a comparison against sequential code, perhaps via a scaling analysis. Make sure you include plots and/or tables to show your results.

# Deliverables:

Discuss what is delivered for this Final Project. Important points:

* This report should be in Canvas.
  + On multi-student teams, each team member should submit a final report; i.e., this document. However, the code should be in one repo
* Tell us what is in your git repo and explain how we can run your code
  + If we cannot run your code, explain why that is the case

# Conclusions and Future Work

# References

[1] Make sure to give credit where it’s due.