MATLAB GUI Project Report

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CSCE 155N

**Design and Coding Process** A 2-3 page report on the design and coding process, any difficulties you had with the implementation, and

* Had a hard time figuring out how to write the input of the integral functions
* Took a while to figure out the double integral input as well, but we eventually figured it out

# **Future Use of GUIs** a discussion of ways you might use GUIs in the future.

Graphical User Interfaces, or GUIs, are a part of everyday life for most people. Your phone and computer use them all the time. Even something as simple as the desktop on your computer is a GUI. The purpose of a GUI is to have a visual representation of what is actually going on in the code so that it is easier for the user to interact with. Without GUIs, you would have to manually enter the required commands and code to get the desired effect, but with them, it is as simple as clicking buttons to get where you want to go or do what you want to do.

For mechanical engineering, there are tons of uses for GUIs. A very common one that I and most other students that take math classes uses is online calculators. There’s integral, derivative, and limit calculators, to name a few. Each of them have a text box for your function and a solve button, as well as additional checkboxes for different types of functions or solving.