Autograder

### Prepping the Autograder

1. Download a zipped copy of the grading submissions from Google Drive
   1. It is easiest to download the entire ‘Lab *XX* - *Lab Description*’ folder as one zip file rather than downloading several individual folders or files.
2. Before un-zipping the downloaded labs, move the zip file to J-Drive/groups/me-273/Autograder/Student Submissions/
3. Unzip the labs in the Student Submissions folder
4. Open MATLAB and navigate your current directory to the J-Drive/groups/me-273/Autograder/autograder\_core folder and open main.m
5. Run the function ‘main’.

### Feedback Grading Mode

1. Select the Lab number from the drop-down menu.
2. For feedback grading, leave the Default checkbox checked for Monday Due Date and Pseudo Date.
3. Select ‘Feedback’ under Grading Options
4. For each lab part:
   1. Leave each of the checkboxes for Default Grader Functions.
   2. For the Submission Folder, select the button along the right side to select the folder path for the matching student submissions for the lab.
5. Select the Grade button
6. The grader will run and a small histogram of the grade distribution will appear in a popup.
7. If the histogram looks correct, select yes that you want to accept the grading effort.
8. A popup will appear asking if you have sent out emails with scores.
9. Open google drive under the me273byu email address and navigate to the Feedback Emails folder.
10. Upload ME273LabFeedback.csv (/groups/me-273/Autograder/GradedLabs/LabXGraded/ME273LabFeedback.csv) to the Feedback Emails folder.
11. Open the ‘Autograder Feedback Giver’ google script
12. Select the FeedbackSheet.gs file in the sidebar.
13. Ensure FeedbackSheet is set to run in the Select Function drop-down menu.
14. Hit the run button.
15. Navigate back to MATLAB and select yes, that you have sent feedback through email to the students.
16. A new popup will appear indicating grading is complete. Select yes and you can now close the grader.

### Final Grading Mode

1. Select the Lab number from the drop-down menu.
2. For final grading, leave the Default checkbox checked for Monday Due Date and Pseudo Date.
3. Select ‘Final Grading’ under Grading Options
4. For each lab part:
   1. Leave each of the checkboxes for Default Grader Functions.
   2. For the Submission Folder, select the button along the right side to select the folder path for the matching student submissions for the lab.
5. Select the Grade button
6. The grader will run, and a small histogram of the grade distribution will appear in a popup.
7. If the histogram looks correct, select yes that you want to accept the grading effort.
8. A new popup will appear asking if you have submitted the grades to Learning Suite
9. Navigate to your J-Drive, find the file /groups/me-273/Autograder/GradedLabs/LabXGraded/ME273LabFeedback.csv
10. Open LearningSuite and navigate to the BYU Grades tab in the Instructor View of ME EN 273.
11. In the menu on the left side of the window, select Import/Export, then select Import
12. Upload the ME273LabFeedback.csv using the ‘Choose Files’ radio button.
13. Under the 3rd bullet point, use the drop-down menu to select Email as the Identifier for Learning Suite to match students with their grades.
14. Under the 4th bullet point, select the drop-down menu next to LabXScore and select the corresponding Lab XX option under Labs & Pre-Labs.
15. Select the Import button at the bottom of the screen.
16. Ensure no errors occurred and navigate back to MATLAB
17. Select yes, indicating you have uploaded the scores to Learning Suite
18. A new popup will appear asking if you have sent out emails with scores.
19. Open google drive under the me273byu email address and navigate to the Feedback Emails folder.
20. Upload ME273LabFeedback.csv to the Feedback Emails folder.
    1. Note that the ME273LabFeedback.csv has been updated since you selected the grades have been uploaded to Learning Suite.
21. Open the ‘Autograder Feedback Giver’ google script
22. Select the FeedbackSheet.gs file in the sidebar.
23. Ensure FeedbackSheet is set to run in the Select Function drop-down menu.
24. Hit the run button.
25. Navigate back to MATLAB and select yes, that you have sent feedback through email to the students.
26. A new popup will appear indicating grading is complete. Select yes and you can now close the grader.