

<b>Experiment #03</b>
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Slot: L27+L28

**MAT1011: CALCULUS FOR ENGINEERS**

Class # 5972

**Title: Maxima and Minima of Single Variable Function**

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Typically an e-record has the following sections:

**Aim:** The aim of the experiment.

**Mathematical Background:** A brief note about mathematics involved in the problem at hand. It involves Mathematical Model and the methods used in the experiment.

**MATLAB code:** The MATLAB code used to get the desired output.

**Output and Conclusion:** The output obtained using MATLAB and concluding remarks in terms of application in the relevant Engineering branch.

Along with the e-record submit your responses to the following questions.

1. Does the program written in the lab work for all functions? If not, then for what function it does not work.
2. Make appropriate changes in the program to make it work for the above function.

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- The lab record with the solutions to the exercise problems must be submitted in **pdf format only**.
  - Write virtuously and don't make it an oversized document (preferably < 8 pages with file size < 1 MB).
  - Copying others' work can be injurious to your grades.