

5ELEN018W - Tutorial 1 Exercises

Familiarisation with Matlab

Implement all of the Matlab examples which were introduced to you in the lecture slides. Make sure that you understand all the Matlab code and ask your tutor for any questions you might have.

Functions

1. Write a Matlab function which accepts a matrix as an argument and finds the minimum and maximum elements in each row and column. You should use `for` loops.
2. Write a Matlab function which accepts a matrix as an argument and finds the minimum and maximum elements in each row and column. You should use `while` loops.
3. Write a Matlab function which accepts a matrix as an argument and finds the minimum and maximum elements in each row and column. You should use the Matlab `max` and `min` functions and you should consult the Matlab documentation of what they do and how they are used (remember the `help` function?)

Scripts

Write a Matlab script which asks the user for a temperature in Fahrenheit (use the `input` Matlab function - check its documentation) and returns the equivalent temperature in Celsius. The following formula should be used: $c = \frac{5}{9} \cdot (f - 32)$