

Input-Output of the functions

Function	Input	Type	Output	Type
explainProgram	[]		[]	
askPlotAxes	[]		myAxes	matrix4x1
modifyPlotAxes	myAxes	matrix 4x1	[]	
askEllipse	[]		ellipse	matrix 4x1
plotEllipse	Ellipse Npoints	matrix 4x1 Integer	[]	
loadFileAndPlot	Npoints	Integer	[]	
askPrecision	[]		Npoints	Integer

These are the functions that we need. The first one 'explainProgram' should explain what the program does. It will have some output lines in the comment line. And you will have to use the function 'disp' for example, to print the character chains explained in the program on the screen. But no input or output to death. 'askPlotAxes'. Well, this has no entry. But inside you will ask a user a question with the function 'input' and then have a a 4x1 matrix with axes. 'modifyPlotAxes'. Well, this should take as input 'myAxes' of type matrix 4x1. OK. Then 'askEllipse'. The input is nothing but the output should be also a matrix 4x1 with the center and the axes of the ellipse. 'plotEllipse' is a function that takes as input the ellipse and also the number of points. Ellipse is an array, a vector with 4 entries. And then points is an integer. So outputs' nothing. There will be only something on the screen when read in a figure. 'loadFileAndPlot'. Well this, as explained earlier, will have to load the file while many ellipses are given and as input will just need N points. No output here. When we want to change the accuracy, you use the 'askPrecision' function. And then there will be a new precision that is required.

Notes

Summary



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I don't ask you to save all the ellipses that are already drawn but to just clear the figure or draw the new figures, the new ellipses with the new precision. It will also be possible to store all the ellipses and then redraw them but this is not required in this exercise.

Notes

Summary



1m 53s