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Department of Mathematics

Paper MATHS 260 *Differential Equations*

Installing the software needed for Maths 260

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Matlab Programs

The following programs are used in this course:

- analyzer.m
- dfield.m
- numerical.m
- pplane.m

However, in order to run, they also require the programs:

- deblank2.m
- numsolve.m
- plotdefield.m
- dirfield.m
- capture.m

You can download all these files from the course web page onto your H: drive or USB drive. In an internet browser, go to:

`http://www.math.auckland.ac.nz/wiki/MATHS_260_Semester_2_2009_Website`

Click on the Zipped Matlab files link on the course webpage, download the zip, and extract the files to your drive.

Once you have saved the files on your drive, set that drive to be your working drive in MATLAB, and make sure your working directory contains all those m-files.

If you have trouble with any of this, ask a demonstrator or tutor for help or see the instructions on the back of the question sheet for Tutorial 1.

Note: The computers in BCL and BTL use MATLAB R2008a and the programs in the zip file on the course webpage will work with this version of Matlab. If you are running an earlier version of Matlab on your home computer (e.g., R2007b or earlier) and you wish to use the Maths 260 software at home, you will need to visit the course webpage, download the zip file as above, then right click on the pplane for Matlab R2007b link, save the file as pplane.m, and use it to replace the existing pplane.m from the zip file on your home drive.