

Installing Dfield and Pplane

There are versions of both programs for use with Java and for use with Matlab. These instructions refer to the Java version.

Dfield. This program plots direction fields of first-order ODEs. To download the Java version, do the following steps.

1. Go to <http://math.rice.edu/~dfield/dfpp.html> and click on the link **dfield.jar**, which can be found under “**dfield (Direction Field) Java Software Download:**”.
2. Click on dfield.jar in the downloads folder and the program will be installed. To facilitate your use of this program, you might want to copy dfield.jar from the downloads folder to a more convenient location in your computer.

Pplane. This program plots phase diagrams for a system of two first-order ODEs. To download the Java version, do the following steps.

1. Go to <http://math.rice.edu/~dfield/dfpp.html> and click on the link **pplane.jar**, which can be found under “**pplane (Phase Plane) Java Software Download:**”.
2. Click on pplane.jar in the downloads folder and the program will be installed. To facilitate your use of this program, you might want to copy pplane.jar from the downloads folder to a more convenient location in your computer. Whenever you use pplane.jar, a second file pplane.ini is generated.

A user manual for these two programs is available at

http://isites.harvard.edu/fs/docs/icb.topic80690.files/pplane_handout.pdf.