

Maple Plot

Math 325: Differential Equations Name: _____

Quiz 7 *March 23, 2001*

You may use your own calculator. You may not use anything else. You may not pass a calculator to another person.

Show all your work. Erase or cross out any work you do not want graded.

Here are two different field plots for a system of autonomous ordinary differential equations, below and on the back. On one of the plots (you choose which), label at least two critical points of the system. Give the type and stability of each critical point. (The system has four critical points. For extra credit, you may label and give the type and stability of three or all four critical points.)

Note: The two different field plots are for the same system; one is produced by `pplane5`, the other by Maple's `dfieldplot` command. You might find it useful to look at both. However, please put all your answers on the same side of the paper.

quiz7b01.eps