

350: Homework 4 Due: 22/February

1. Do 6.2.1
2. Do 6.3.5
3. Do 6.3.6
4. Do 6.3.9
5. Do 6.4.8

Computer Homework

C.1. Plot the phase portrait of the system

$$\begin{aligned}\dot{x} &= y - y^3 \\ \dot{y} &= -x - y^2\end{aligned}$$