

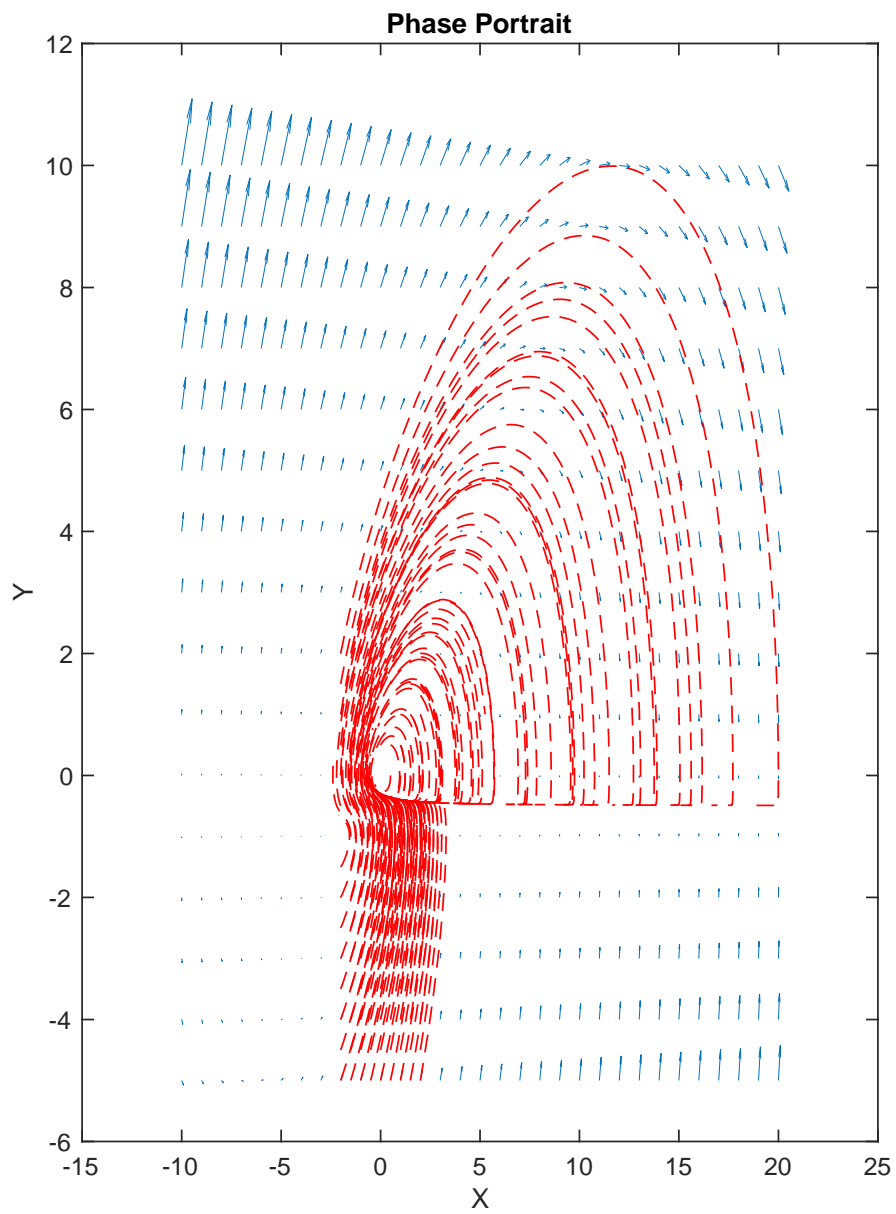
Dynamic Models in Biology

HW3

Jonathan Levine

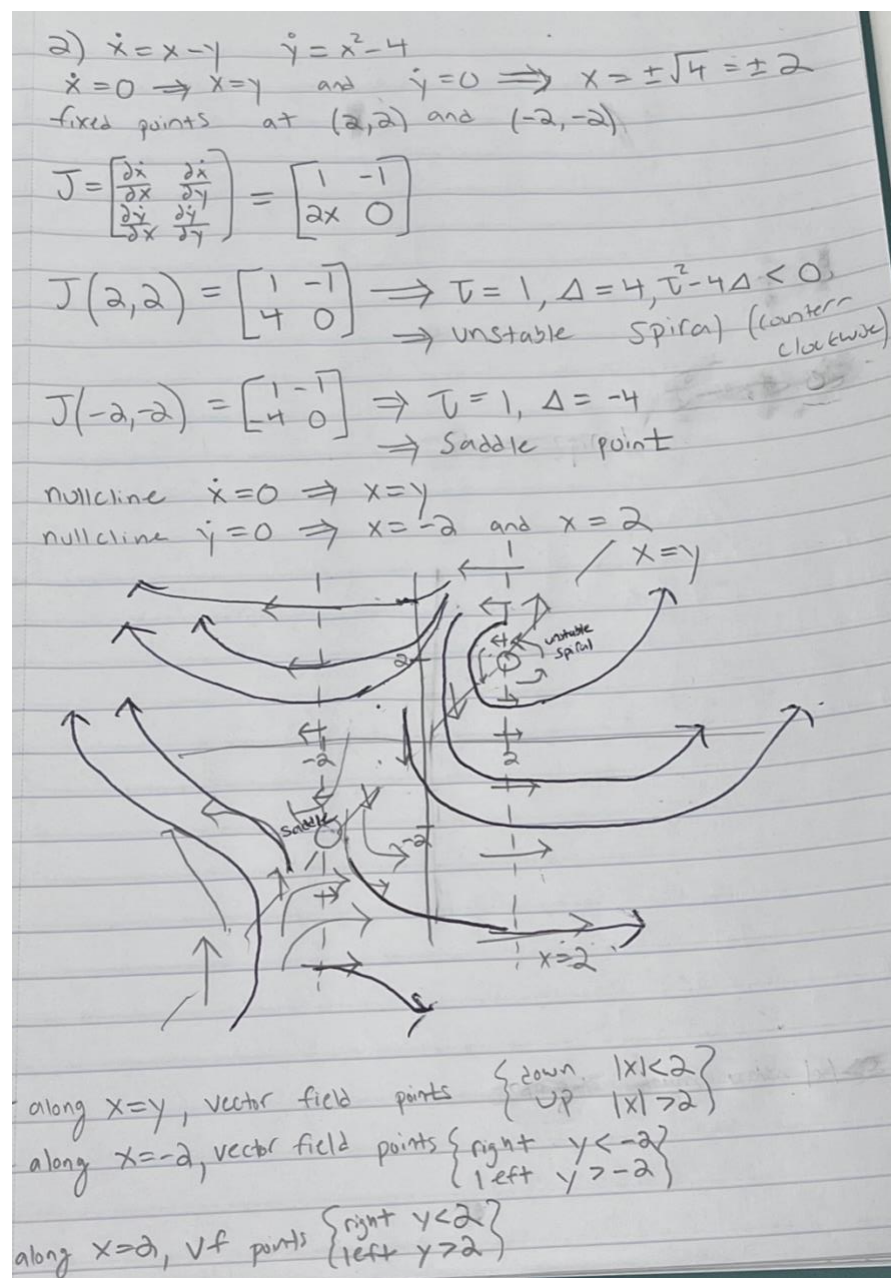
Fall 2023

Problem 1

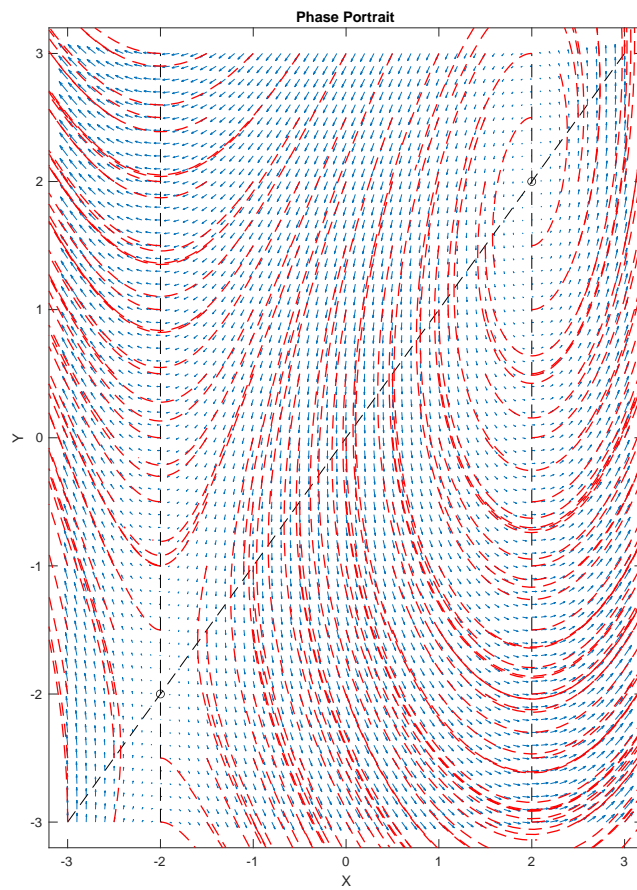


Problem 2

I sketched out the fixed points, behavior of fixed points, and nullclines with vectors using pencil. A few sample trajectories were sketched using pen.

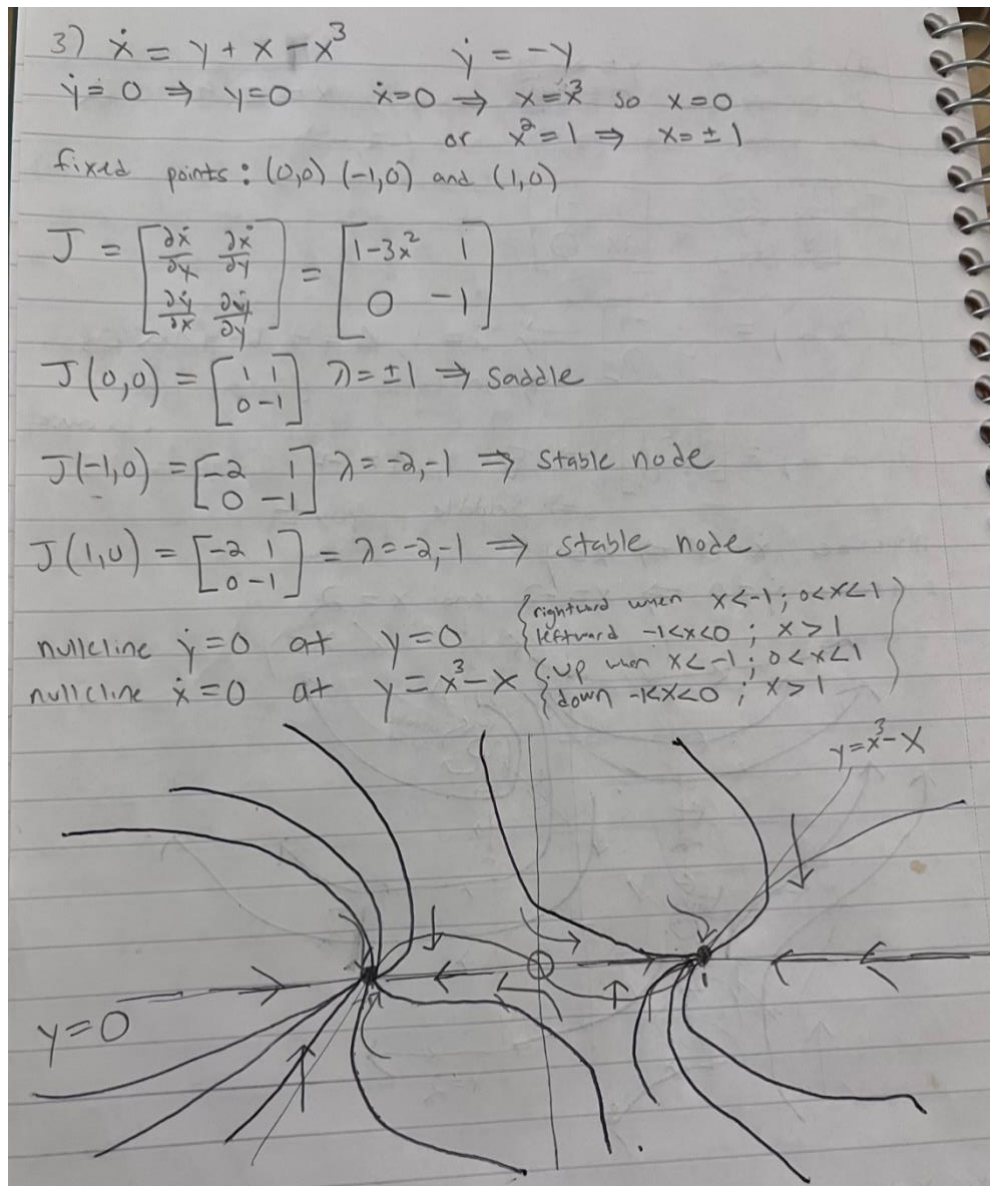


Verifying computationally, my sketch does seem to capture most of the behavior of the system



Problem 3

I sketched out the fixed points, behavior of fixed points, and nullclines with vectors using pencil (can be hard to see, sorry). A few sample trajectories were sketched using pen.



Verifying computationally:

