

Physics 105, Spring 2018, Reinsch

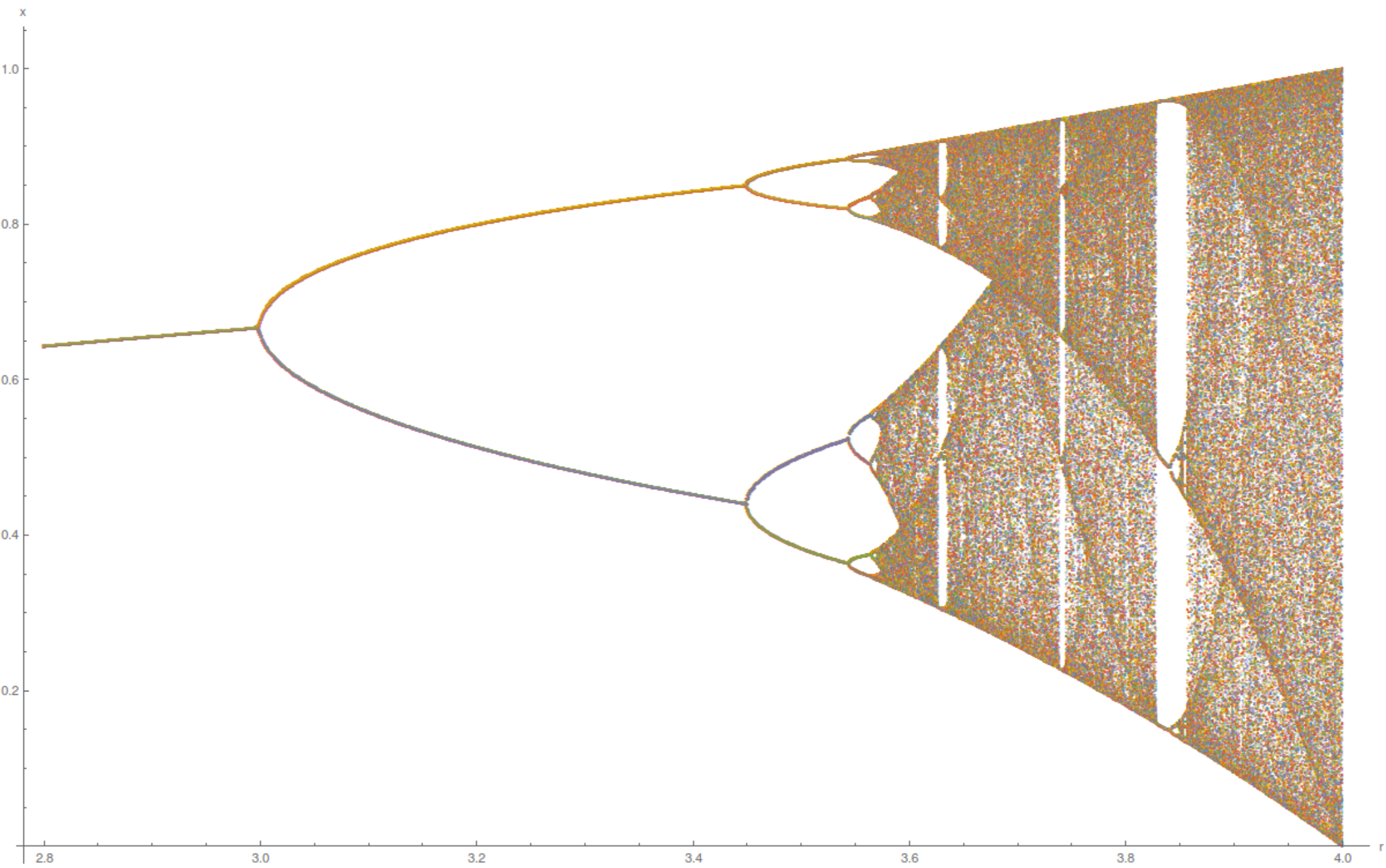
## Homework Assignment 11

Output, problems 2 and 3

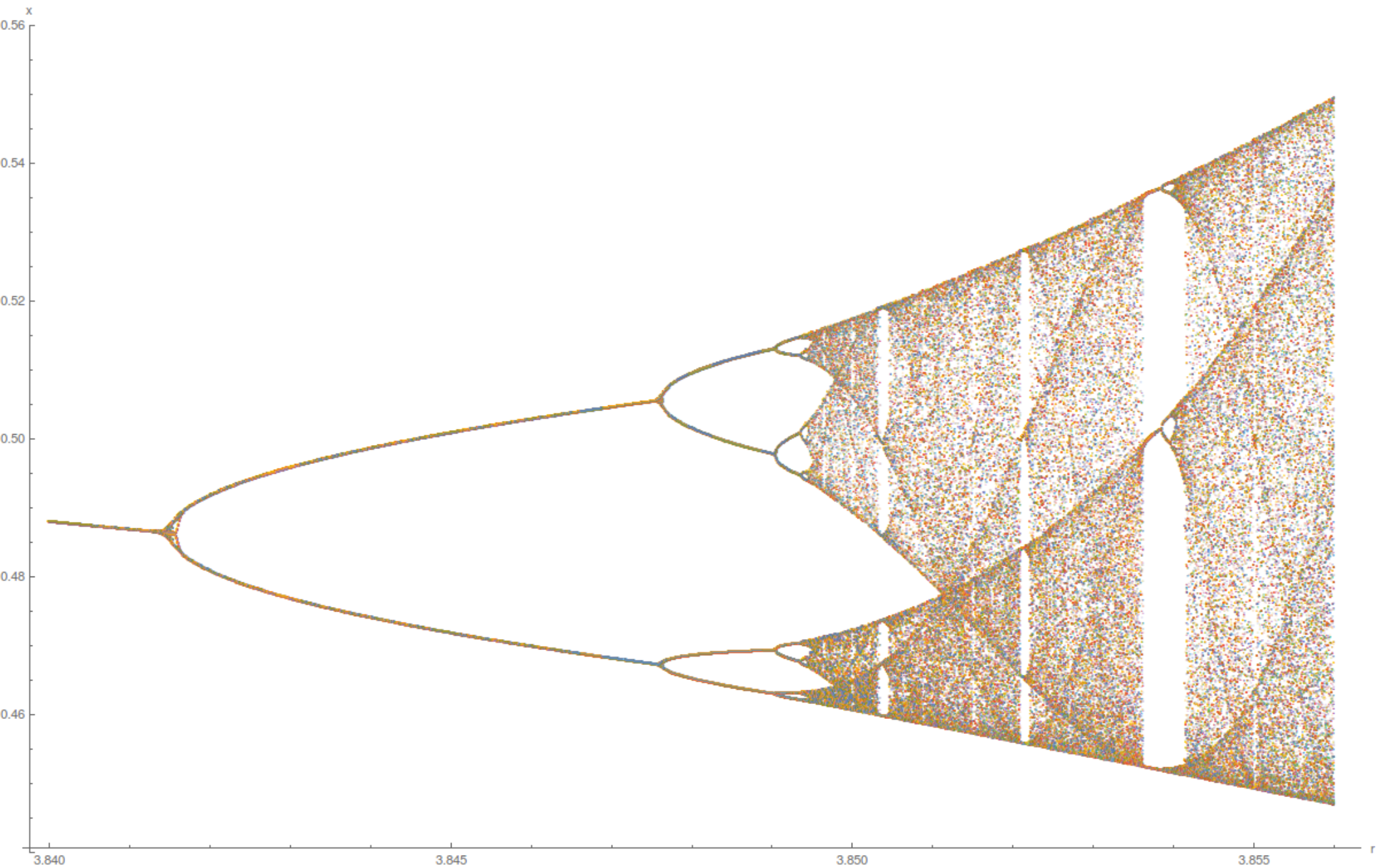
The Mathematica notebook would be about 50 MB with the plots included, and the plots take a long time to render because the individual points are stored.

In this summary, the plots are saved as images which requires less space and can be viewed easily.

## Problem 2



Problem 3, with 1000 iterations for each  $r$  value. First bifurcation not well resolved





Problem 3, with 2000 iterations for each  $r$  value. Improvements are noticeable compared to the previous slide.

