

CHE 581

Assignment 5 (Initial Value Problems)

Due: Wednesday, 27 Feb 2019

22.1 Please do this one “manually” (i.e., do not use a code). This will help you understand the structure of the methods.

22.6 Write a function file to do this. Pass the function given in the text to the function file to make the computations.

22.10

22.11

22.12 (test using problem 22.5; this means problems 22.10, 22.11, and 22.12 are all tested using the same problem).

22.14

For problem 22.14, I have put a csv file containing the data on Canvas. You can read this data into a matrix that is 3 columns wide using the command:

```
M = csvread(filename,R1,C1)
```

Where here, the values of R1 and C1 represent row and column offsets (i.e., how many rows or columns to skip). Our data set has a header containing the data labels, so we will want to skip that. So, you can read those data in by using

```
M = csvread('moose_versus_wolf.csv',1,0)
```

This will create a matrix with 48 rows and 3 columns (48x3). From there, it is easy to deal with the data set.