

Answer sheet: Rocket launches and ODEs

NAME

Part I. Preparatory exercises

EXERCISE 1

Part II. Computer lab

EXERCISE 1

(Attach code)

EXERCISE 2

(Attach plot)

Comments (steplength, error, problems):

EXERCISE 3

Stability limit h :

Order estimate:

Describe how you estimated the order of accuracy:

EXERCISE 4

Maximum height reached:

at time:

EXERCISE 5

Describe your strategy, how high does your rocket fly, at what time does it attain this maximum altitude, how much does your rocket weight at this time:

COMMENTS ON LAB

Fun/boring, easy/difficult, suggestions for improvement: