

Exercise 2

a)

[width=8cm]3body1.pdf [width=8cm]3body2.pdf

b)

$h=0.????$ [width=8cm]MeiselBurrau1_traj.pdf [width = 8cm]MeiselBurrau1_logdist.pdf [width = 8cm]MeiselBurrau1_error.pdf

$h = 0.????$ [width = 8cm]MeiselBurrau2_traj.pdf [width = 8cm]MeiselBurrau2_logdist.pdf [width = 8cm]MeiselBurrau2_error.pdf

We observe that for a minimum value of $h = 0.01$ we can obtain reliable estimates for the time of the first five closes. For a better understanding of the shown trajectories we added GIF-files into the ZIP-archives showing the movement of the three masses for each start configuration as a short animation. For further details see the code in the appendix.