

Week Two

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Read the *research paper* today. “**CLICK HERE**” for the Julia code which solves the ‘set of DEs’ (initial values of variables are given as input) given in the research paper, and outputs six graphs as ‘.png files’.

Output Graphs:

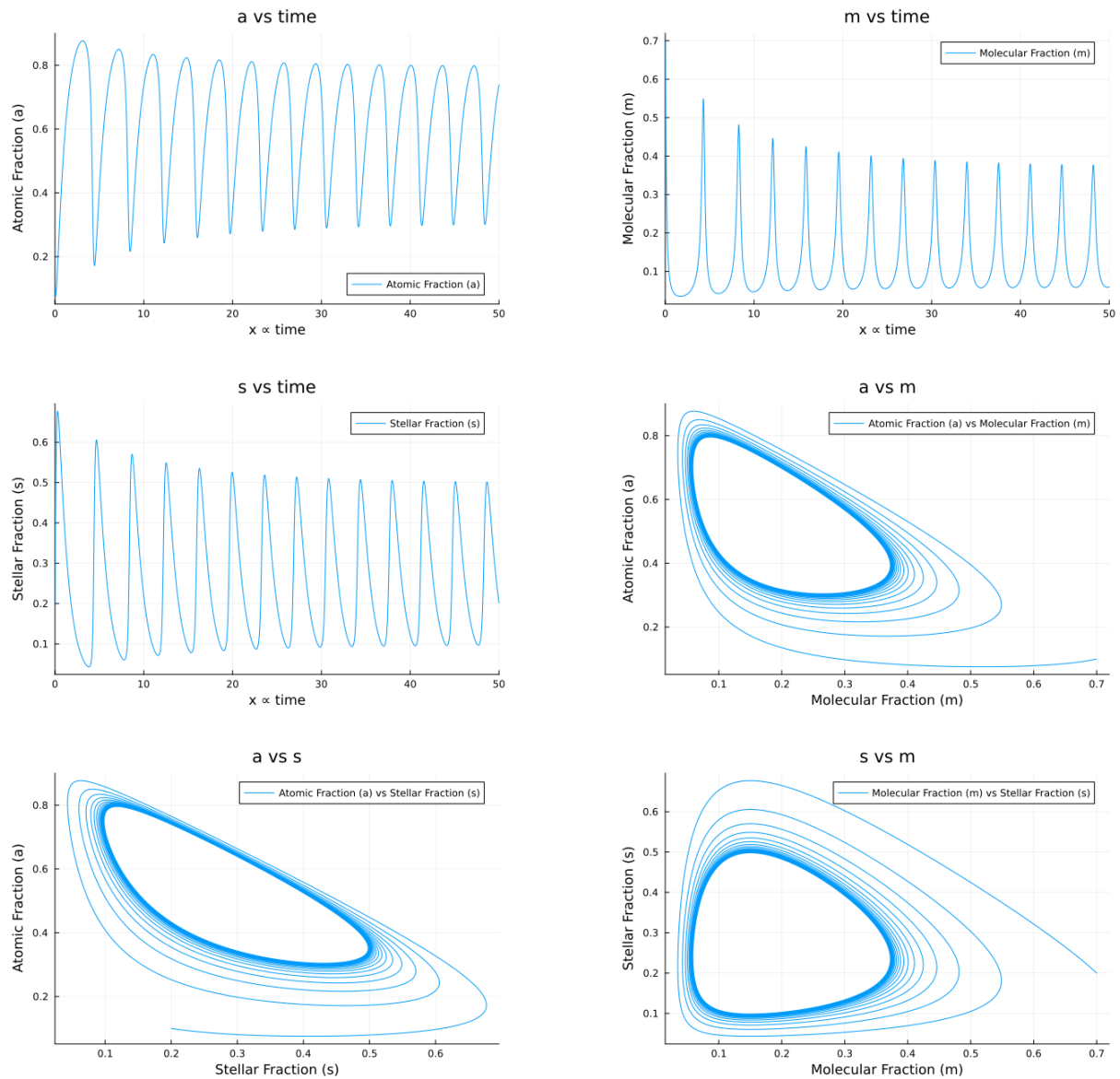


Figure 1: Example.1 from research paper ($x_{lim} = 1000, \Delta x = 0.01$)

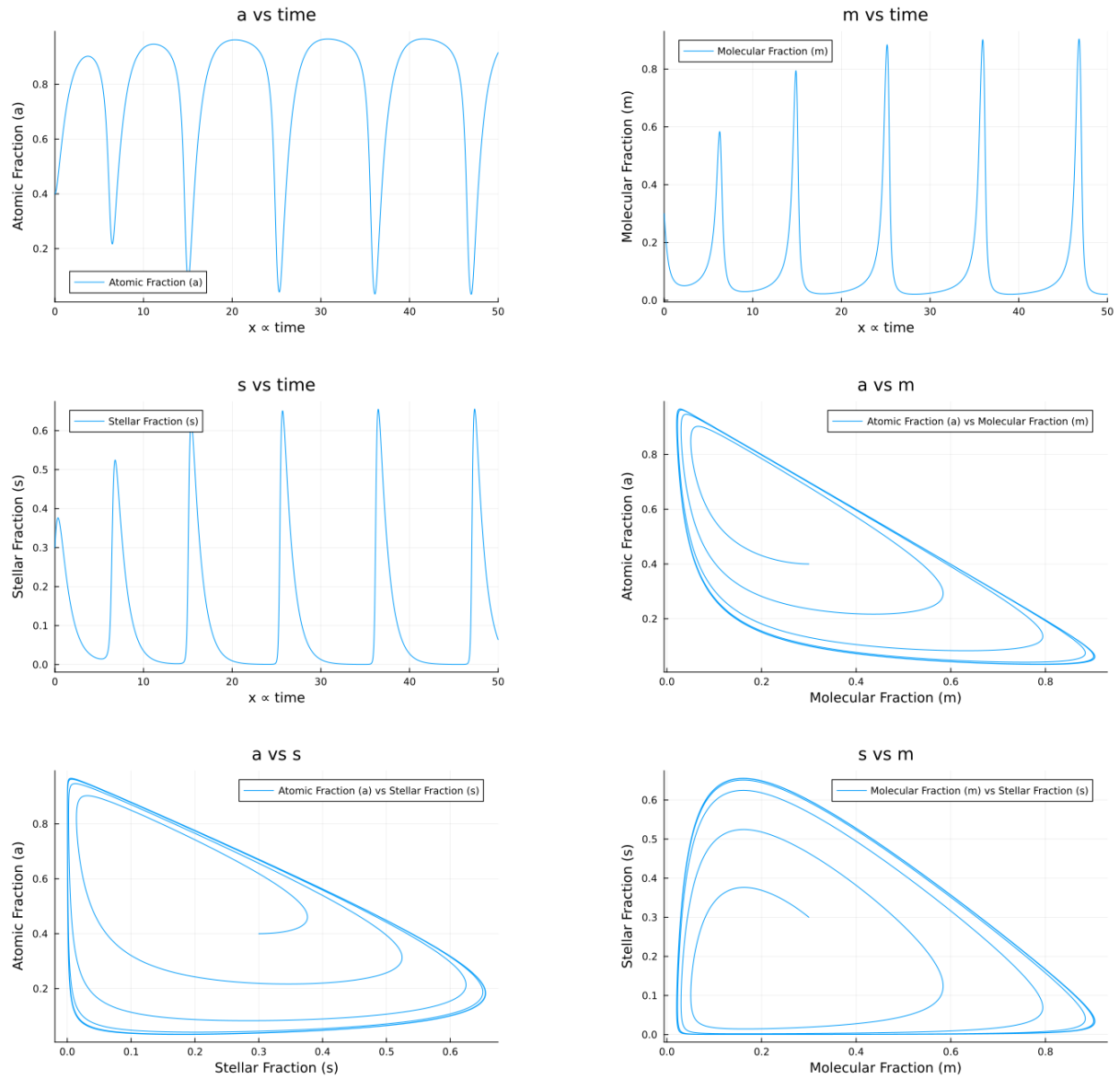
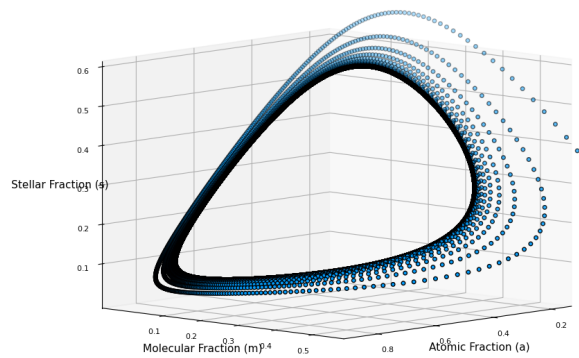
Figure 2: Example.2 from research paper ($x_{lim} = 10000, \Delta x = 0.01$)

Figure 3: 3D plot with initial conditions of example.1