Recitation 7: Animations

14.11.2018

Note: You need Adobe Reader to be able to see the animations in this pdf. If you are interested in the code for these animations or have any questions, contact maurice.filo@bsse.ethz.ch.

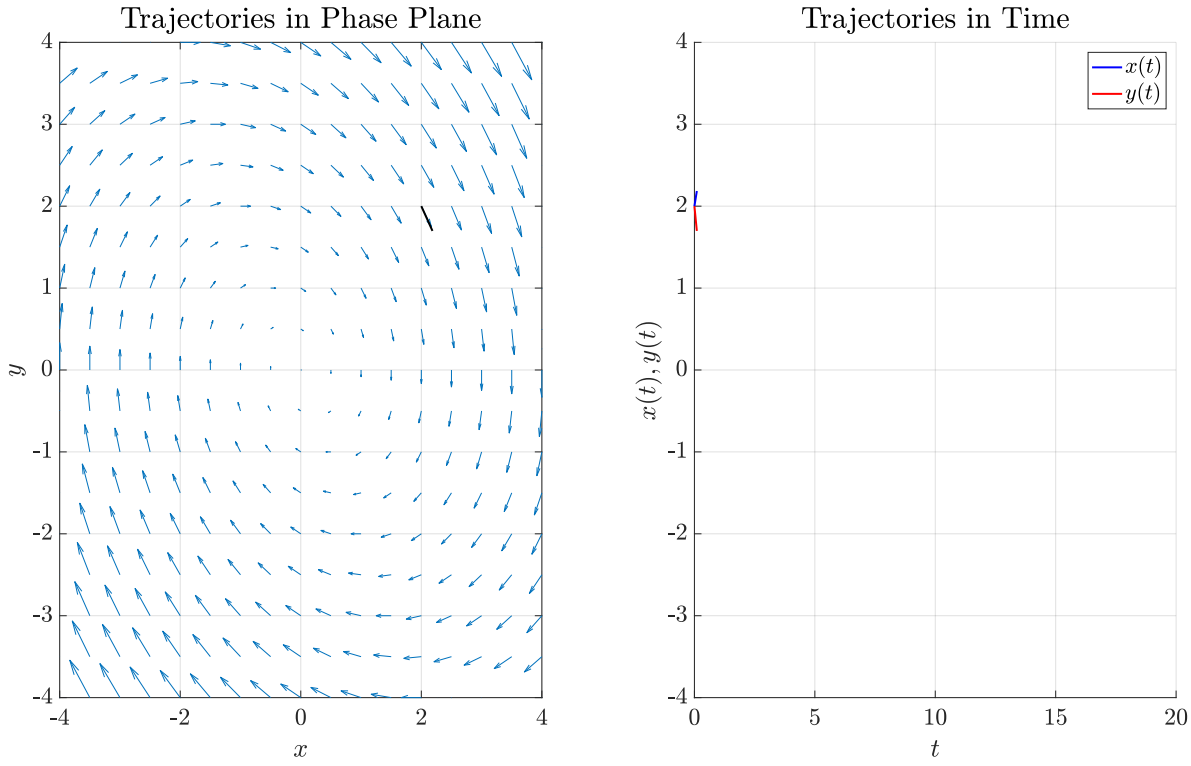

Figure 1: Simulation of a 2 dimensional dynamical system that has stable spiral.

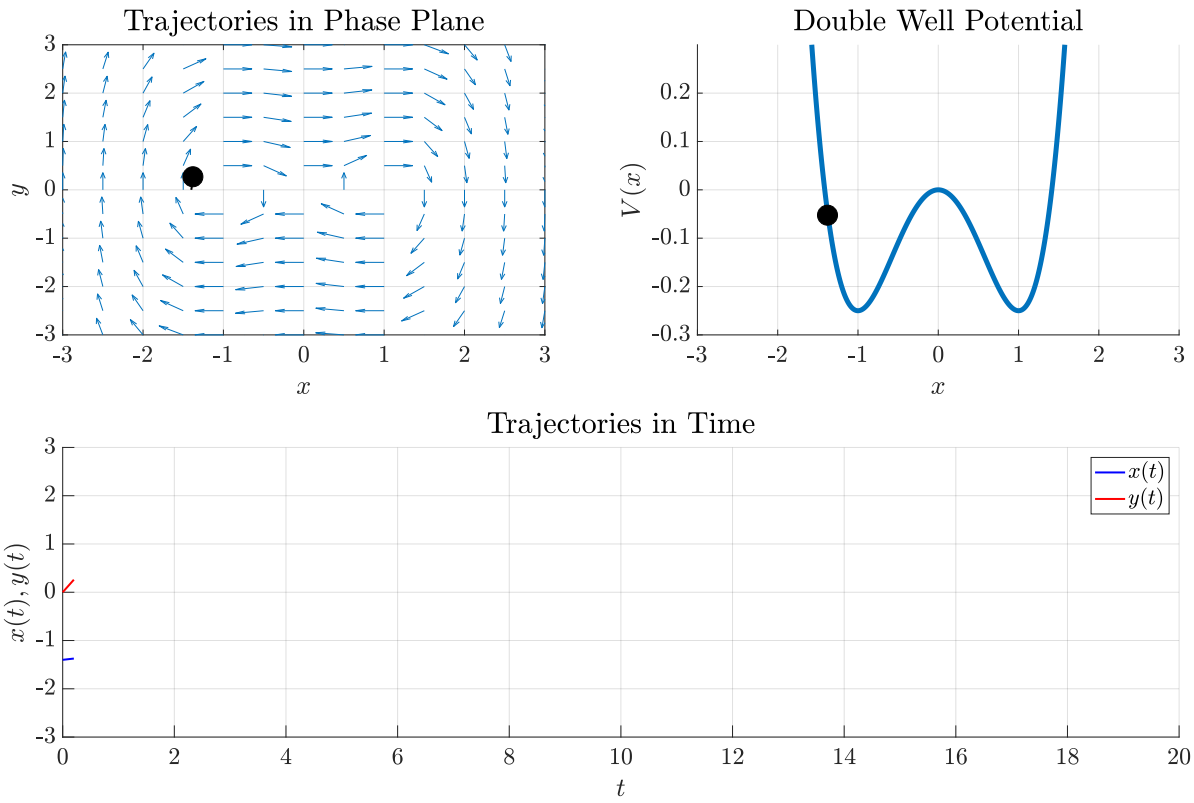

Figure 2: Simulation of a dynamical system with a double well potential. Initial condition: $x(0) = -1.4, y(0) = 0$.

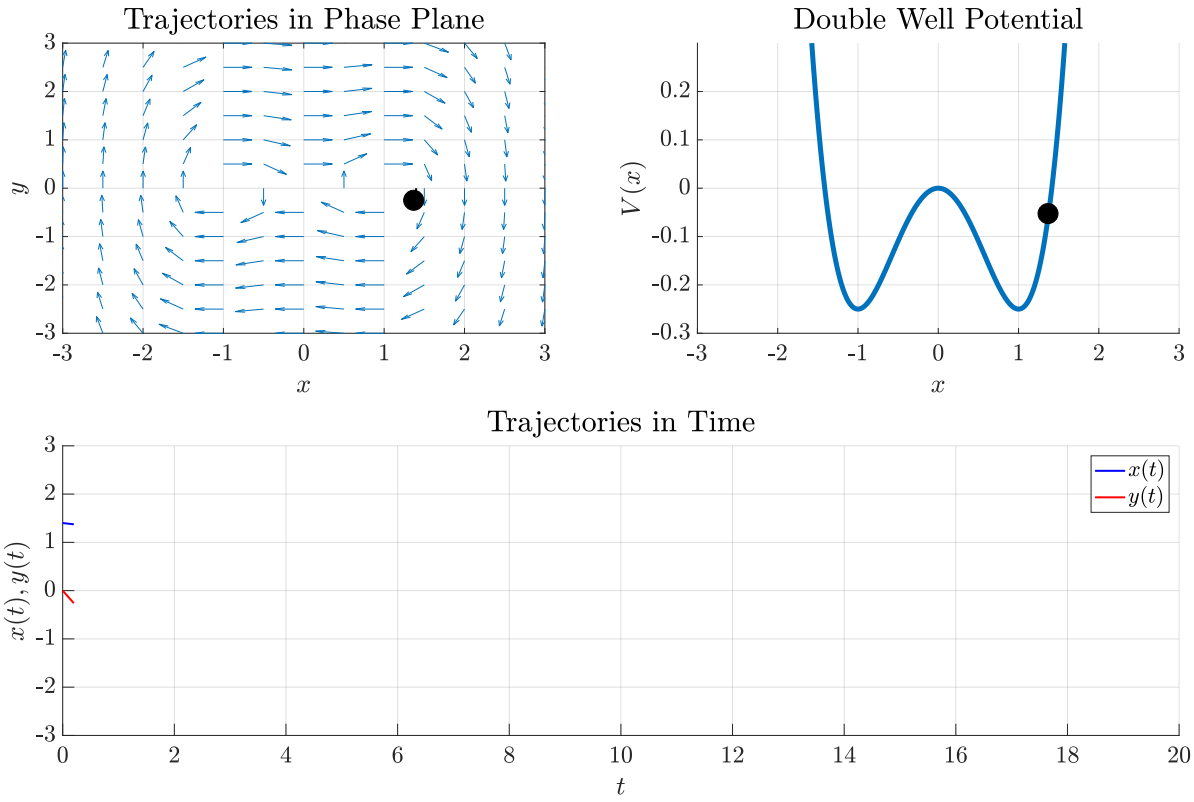

Figure 3: Simulation of a dynamical system with a double well potential. Initial condition: $x(0) = 1.4, y(0) = 0$.

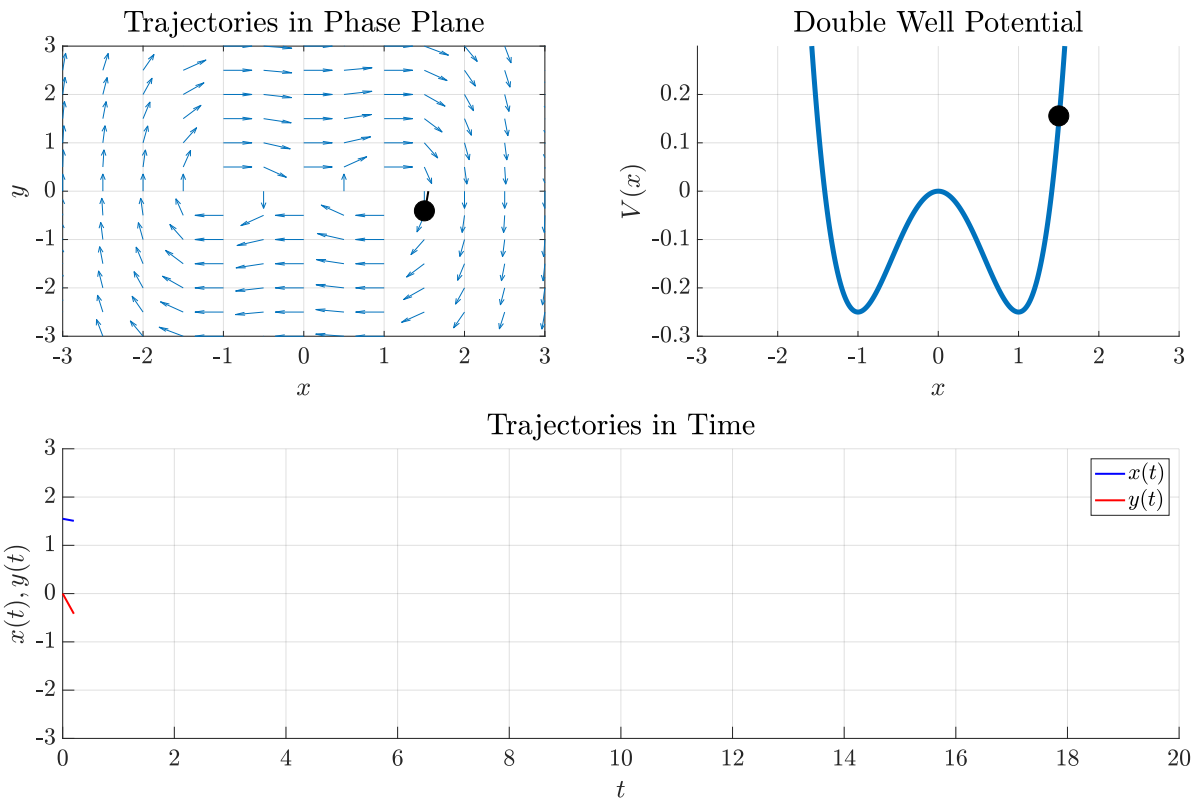

Figure 4: Simulation of a dynamical system with a double well potential. Initial condition: $x(0) = 1.55, y(0) = 0$.

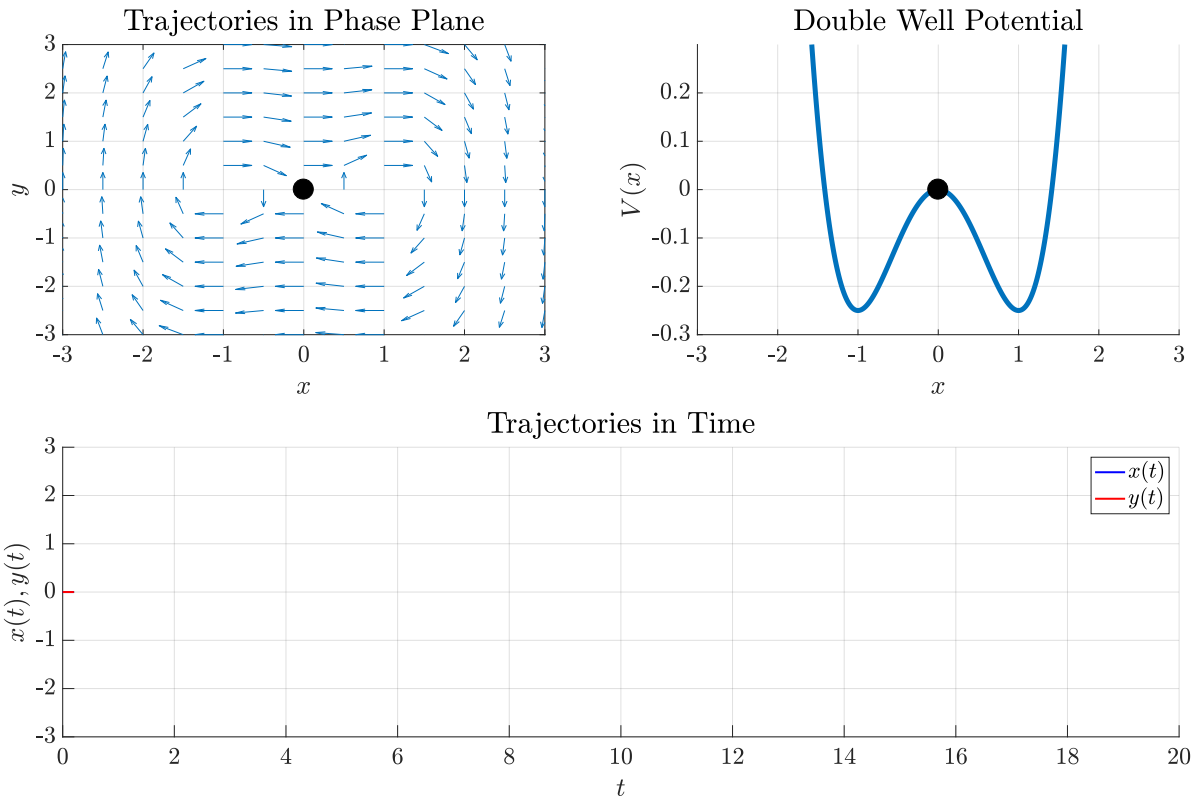

Figure 5: Simulation of a dynamical system with a double well potential. Initial condition: $x(0) = 0^+, y(0) = 0$. (Homoclinic Orbit)