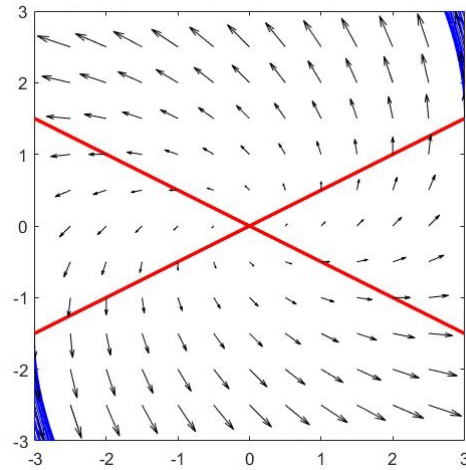
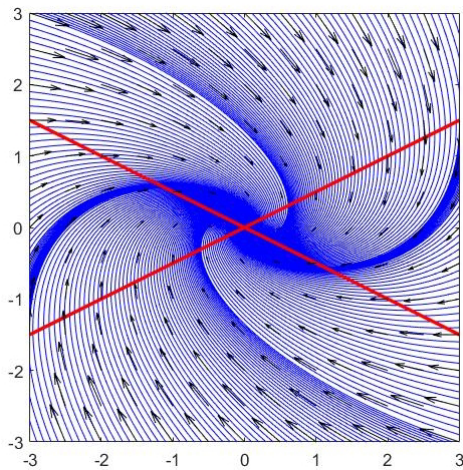


Assignment – 4

Question-1 and Question-2



In the first question the quiver point arrows are pointing in towards the equilibrium point. This means if a state is just a little bit off from the equilibrium point the dynamical system is going to suck it in. It's called an attractor and is a stable system.

On the other hand, the quiver point for the second question and as represented in the second diagram are pointing outwards. So, if a state is just a little bit off from the equilibrium point it will throw the dynamic system out of the equilibrium. It is known as a repeller and an unstable system.

Question-3

