Linear System

$$\dot{v}_1 = -.5v_1 + .2v_2$$
$$\dot{v}_2 = -.3v_1 + -.4v_2$$

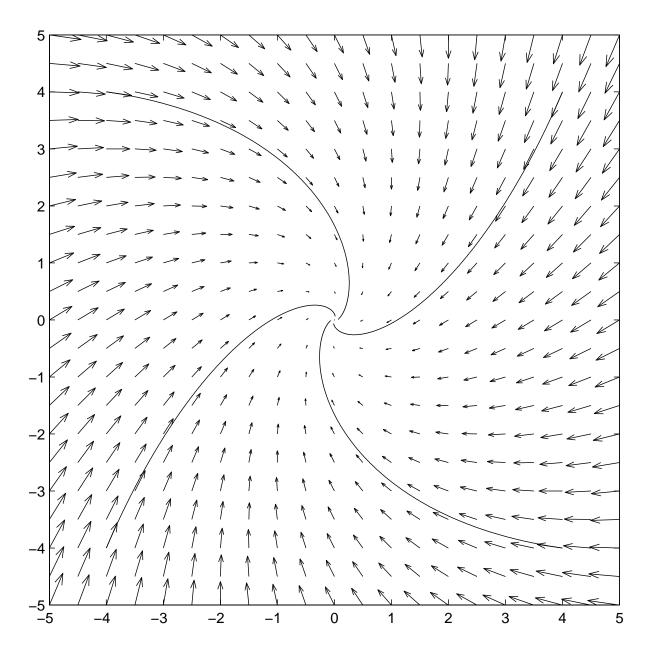


Figure 1: Direction field and sample trajectories for linear system with (a,b,c,d)=(-.5,.2,-.3,-.4).