Linear System

$$\dot{v}_1 = .5v_1 + .5v_2$$

$$\dot{v}_2 = v_1 + .5v_2$$

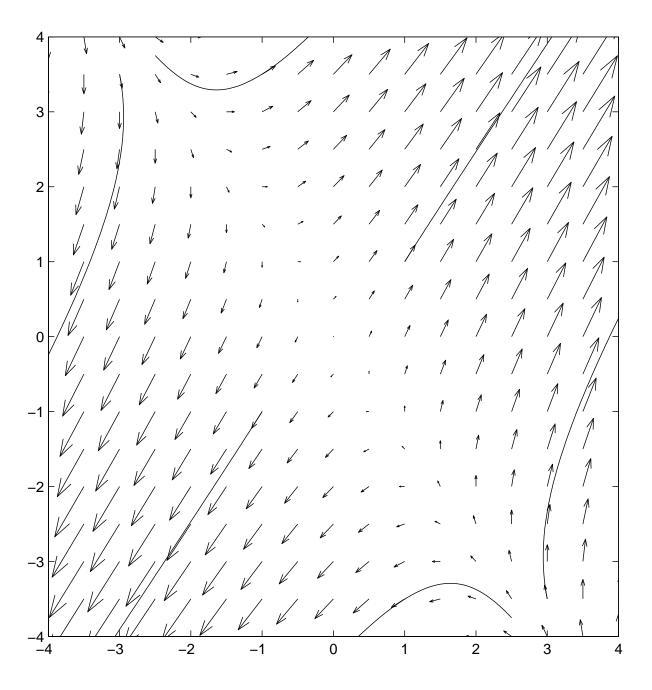


Figure 1: Direction field and sample trajectories for linear system with (a,b,c,d)=(.5,.5,1,.5).