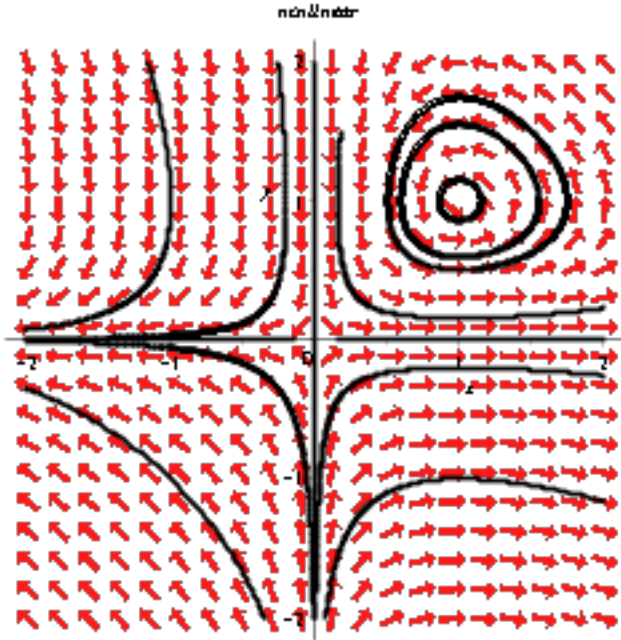
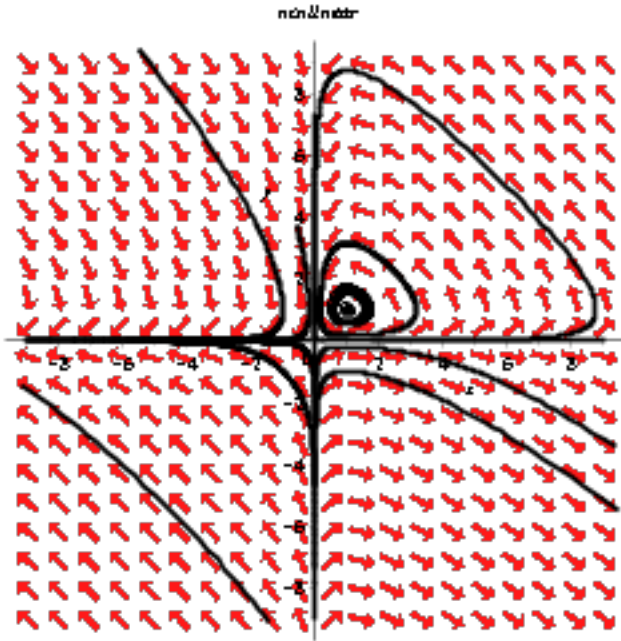


with(DEtools) :

```
DEplot([diff(x(t), t) = x(t) - x(t) · y(t), diff(y(t), t) = -y(t) + x(t) · y(t)], [x(t), y(t)], t = -2 .. 9, x =  
-2 .. 2, y = -2 .. 2, {[0, .7, .7], [0, .9, .9], [0, 1.5, 1.5], [0, .3, .3], [0, -1, -1], [0, -1, 1], [0, 1, -1],  
[0, 1, 0], [0, -1, 0], [0, 0, 1], [0, 0, -1], [0, -.3, -.3], [0, -.3, .3], [0, .3, -.3]}, arrows = THICK,  
stepsize = .01, linecolor = black, title = `nonlinear`);
```



```
DEplot([diff(x(t), t) = x(t) - x(t) · y(t), diff(y(t), t) = -y(t) + x(t) · y(t)], [x(t), y(t)], t = -2 .. 9, x =  
-9 .. 9, y = -9 .. 9, {[0, .7, .7], [0, .9, .9], [0, 1.5, 1.5], [0, .3, .3], [0, -1, -1], [0, -1, 1], [0, 1, -1],  
[0, 1, 0], [0, -1, 0], [0, 0, 1], [0, 0, -1], [0, -.3, -.3], [0, -.3, .3], [0, .3, -.3], [0, 5.5, 5.5], [0, -5,  
-5]}, arrows = THICK, stepsize = .01, linecolor = black, title = `nonlinear`);
```



```

DEplot([diff(x(t), t) = x(t) - x(t) · y(t), diff(y(t), t) = -y(t) + x(t) · y(t)], [x(t), y(t)], t = -2 .. 9, x =
-90 .. 90, y = -90 .. 90, {[0, -40, -40], [0, -40, 40], [0, 40, -40], [0, 40, 40]}, arrows = THICK,
stepsize = .01, linecolor = black, title = `nonlinear`);

```

nonlinear

