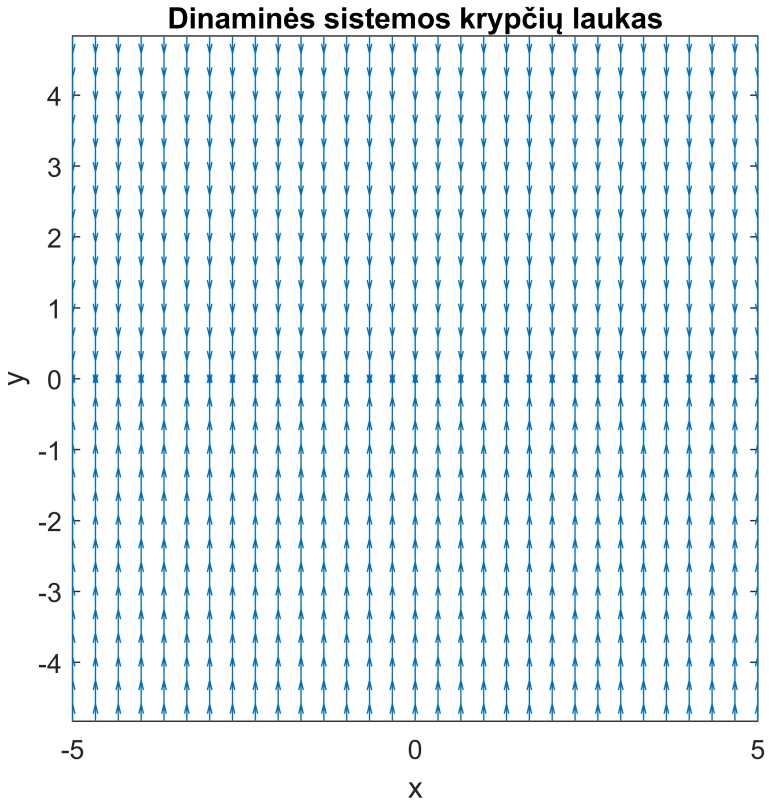
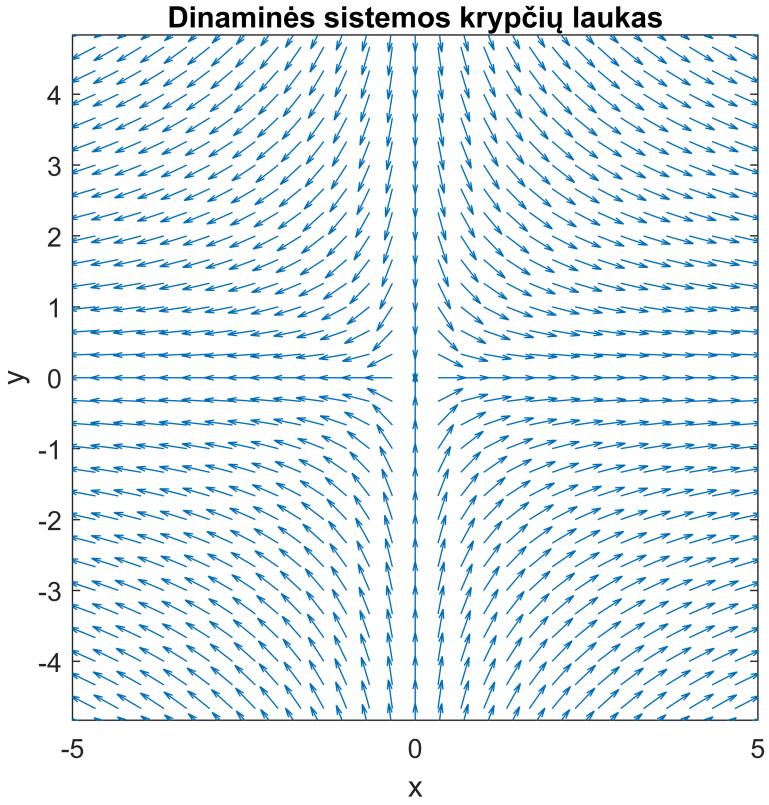
```
syms x(t) y(t) t
[x,y]=meshgrid(-5:10/30:5,-5:10/30:5);
dy=-y;
dx=0;
dyu = dy./sqrt(dx.^2+dy.^2);
dxu = dx./sqrt(dx.^2+dy.^2);
quiver(x,y,dxu,dyu)
xmin=x(1)-(x(1)-x(2))/2;
xmax=x(end)+(x(1)-x(2))/2;
ymin=y(1)-(y(1)-y(2))/2;
ymax=y(end)+(y(1)-y(2))/2;
axis([xmin xmax ymin ymax]);
hold on;
axis square; xlabel('x'), ylabel('y')
title('Dinaminės sistemos krypčių laukas')
hold off;
```



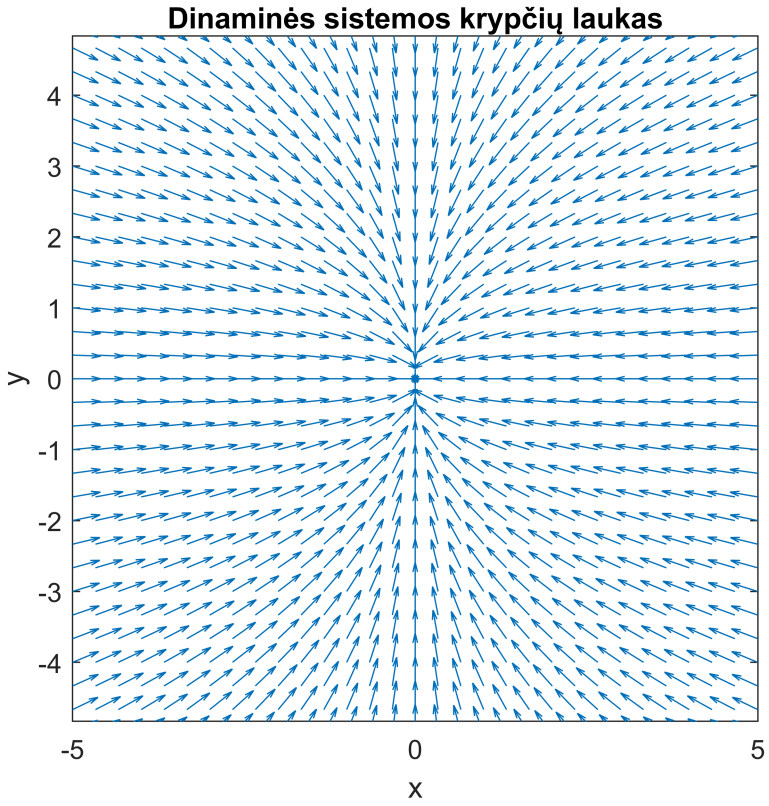

```
clear all
syms x(t) y(t) t
[x,y]=meshgrid(-5:10/30:5,-5:10/30:5);
dy=-y;
dx=2*x;
dyu = dy./sqrt(dx.^2+dy.^2);
```

```
dxu = dx./sqrt(dx.^2+dy.^2);
quiver(x,y,dxu,dyu)
xmin=x(1)-(x(1)-x(2))/2;
xmax=x(end)+(x(1)-x(2))/2;
ymin=y(1)-(y(1)-y(2))/2;
ymax=y(end)+(y(1)-y(2))/2;
axis([xmin xmax ymin ymax]);
hold on;
axis square; xlabel('x'), ylabel('y')
title('Dinaminės sistemos krypčių laukas')
hold off;
```

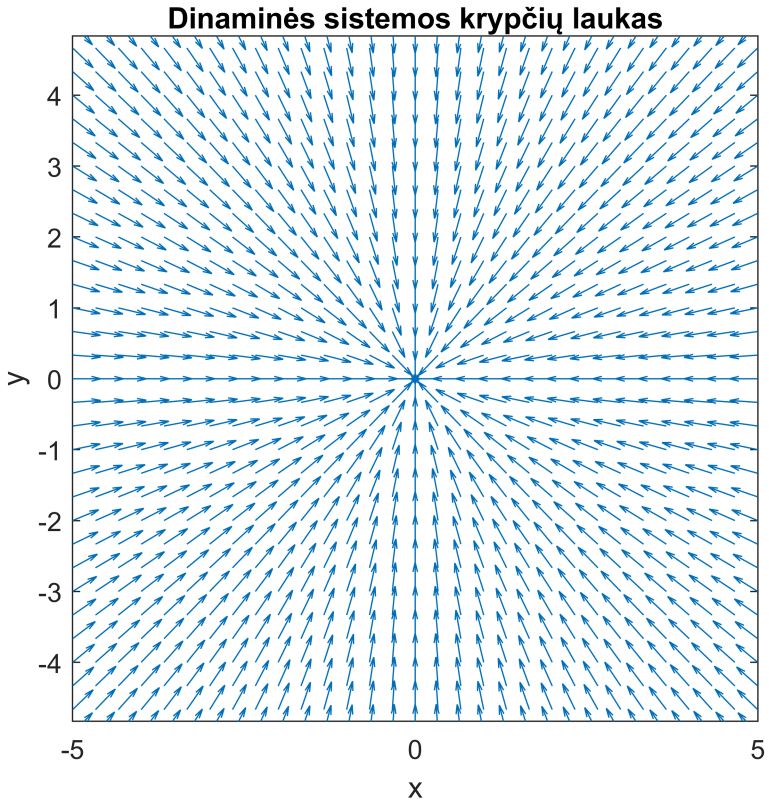



```
syms x(t) y(t) t
[x,y]=meshgrid(-5:10/30:5,-5:10/30:5);
dy=-y;
dx=-2*x;
dyu = dy./sqrt(dx.^2+dy.^2);
dxu = dx./sqrt(dx.^2+dy.^2);
quiver(x,y,dxu,dyu)
xmin=x(1)-(x(1)-x(2))/2;
xmax=x(end)+(x(1)-x(2))/2;
ymin=y(1)-(y(1)-y(2))/2;
ymax=y(end)+(y(1)-y(2))/2;
axis([xmin xmax ymin ymax]);
hold on;
axis square; xlabel('x'), ylabel('y')
```

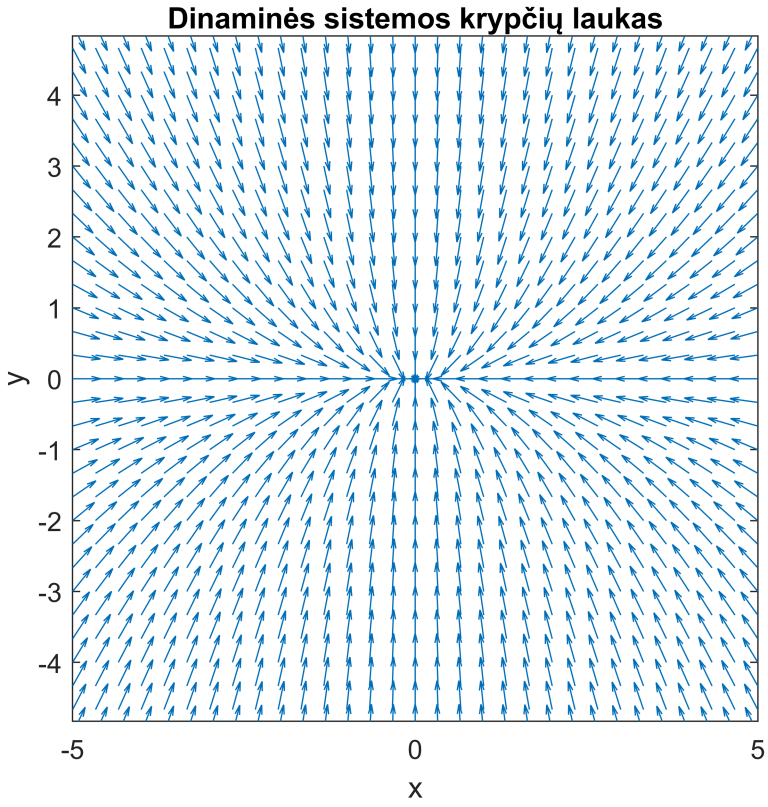
```
title('Dinaminės sistemos krypčių laukas')
hold off;
```




```
syms x(t) y(t) t
[x,y]=meshgrid(-5:10/30:5,-5:10/30:5);
dy=-y;
dx=-x;
dyu = dy./sqrt(dx.^2+dy.^2);
dxu = dx./sqrt(dx.^2+dy.^2);
quiver(x,y,dxu,dyu)
xmin=x(1)-(x(1)-x(2))/2;
xmax=x(end)+(x(1)-x(2))/2;
ymin=y(1)-(y(1)-y(2))/2;
ymax=y(end)+(y(1)-y(2))/2;
axis([xmin xmax ymin ymax]);
hold on;
axis square; xlabel('x'), ylabel('y')
title('Dinaminės sistemos krypčių laukas')
hold off;
```




```
syms x(t) y(t) t
[x,y]=meshgrid(-5:10/30:5,-5:10/30:5);
dy=-y;
dx=-1/2*x;
dyu = dy./sqrt(dx.^2+dy.^2);
dxu = dx./sqrt(dx.^2+dy.^2);
quiver(x,y,dxu,dyu)
xmin=x(1)-(x(1)-x(2))/2;
xmax=x(end)+(x(1)-x(2))/2;
ymin=y(1)-(y(1)-y(2))/2;
ymax=y(end)+(y(1)-y(2))/2;
axis([xmin xmax ymin ymax]);
hold on;
axis square; xlabel('x'), ylabel('y')
title('Dinaminės sistemos krypčių laukas')
hold off;
```


Dinaminės sistemos krypčių laukas
4
3
2
1
0
-1
-2
-3
-4
y
-5
0
5
x