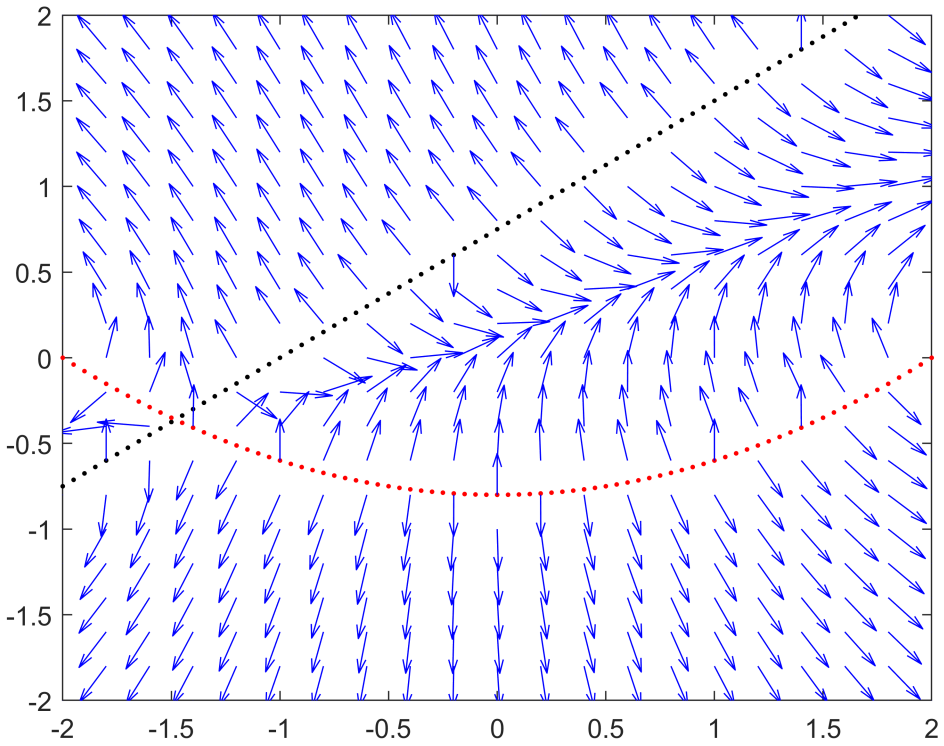
```
f1=@(x1)(3.*x1+3)/4;
f2=@(x2) (x2.^2-4)/5;
k=0.000006;
lamda1=3;
lamda2=5;
m=2;
dm=0.2;
[xx yy]=meshgrid(-m:dm:m,-m:dm:m);
dx=0.05;

xqn1=-2:dx:2;
yqn1=f1(xqn1);
qn1=ones(size(xqn1))*lamda1;

xqn2=-2:dx:2;
yqn2=f2(xqn2);
qn2=ones(size(xqn2))*lamda2;

plot(xqn1,yqn1,'k .')
hold on
plot(xqn2,yqn2,'r .')
xlim([-2 2])
ylim([-2 2])

rqn=[xqn1' yqn1';xqn2' yqn2'];
qn=[qn1 qn2];
size(qn,2)*size(xx,1)*size(yy,2);
Exn=zeros(size(xx));
Eyn=zeros(size(yy));
l=1;
for i=1:size(xx,1)
    for j=1:size(yy,2)
        for n=1:size(qn,2)
%             if abs(xx(j,i)-rqn(n,1))>dx/10 && abs(yy(i,j)-rqn(n,2)>dx/10);
              Exn(j,i)=Exn(j,i)+(k*qn(n)*(xx(j,i)-rqn(n,1))/norm([(xx(j,i)-rqn(n,1)) (yy(j,i)
              Eyn(j,i)=Eyn(j,i)+(k*qn(n)*(yy(j,i)-rqn(n,2))/norm([(xx(j,i)-rqn(n,1)) (yy(j,i)
%               l=l+1;
%             end
        end
    end
end
UExn=Exn./sqrt(Exn.^2+Eyn.^2);
UEyn=Eyn./sqrt(Exn.^2+Eyn.^2);
quiver(xx,yy,UExn,UEyn,'b');


hold off
```


2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2