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%Melonie LeMond  
%Movie Project
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```
clear;  
clf;
```

```
frames=10;
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```
M=moviein(frames);
```

```
for i=1:frames  
    t=0:2*pi/frames:2*pi*i/frames;  
    x=sin(t);  
    y=cos(t);  
    hold on  
    grid on  
    axis([-3 3 -3 3])  
    plot(x,y)  
    plot(cos(6*pi*i/frames),sin(4*pi*i/frames),'ro')  
    hold off  
    M(i)=getframe;  
    clf  
end;
```