

```
%oneStepRungeOrderFour  
%Matt Zeller  
%PHYS 428  
%12/3/2018
```

```
h=0.001;  
n=1/h  
un=zeros(n,1);  
j=1;  
un(1,1)=1;  
for i=0:h:1  
    un(j+1,1)=un(j,1)*(1+2*h+2*h^2+(4/3)*h^3+(2/3)*h^4);  
    j=j+1;  
end  
format long  
un(n+1,1)
```