
```
function [t,y]=RK4(y0,a,b,h)
    t(1)=a;n=(b-a)/h;y(1)=y0;
    for i=1:n
        t(i+1)=t(i)+h;
        k1=h*f(t(i),y(i));
        k2=h*f(t(i)+h/2,y(i)+k1/2);
        k3=h*f(t(i)+h/2,y(i)+k2/2);
        k4=h*f(t(i)+h,y(i)+k3);
        y(i+1)=y(i)+(k1+2*k2+2*k3+k4)/6;
    end
end
```

*Error using RK4 (line 2)
Not enough input arguments.*

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