

```
X=csvread("ResultExp.csv")
```

```
X = 4x2
      0    16.0966
 12.0000  12.9870
 24.0000  11.0421
 48.0000   8.7408
```

```
[m,n]=size(X);
tdata=X(:,1);
ydata=X(:,2:n);
```

```
%for i=0:.0001:5
    %if i==2.5
        %disp('midway')
    %end
%try
    parm0=[0.023,3.22,0.0005];
    parm=lsqcurvefit(@solvedPP,parm0,X,ydata,[.023,1,0.000001],[.023,4,.01]);
```

Local minimum found.

Optimization completed because the size of the gradient is less than the value of the optimality tolerance.

<stopping criteria details>

```
disp(parm)
```

Column 1

0.0230

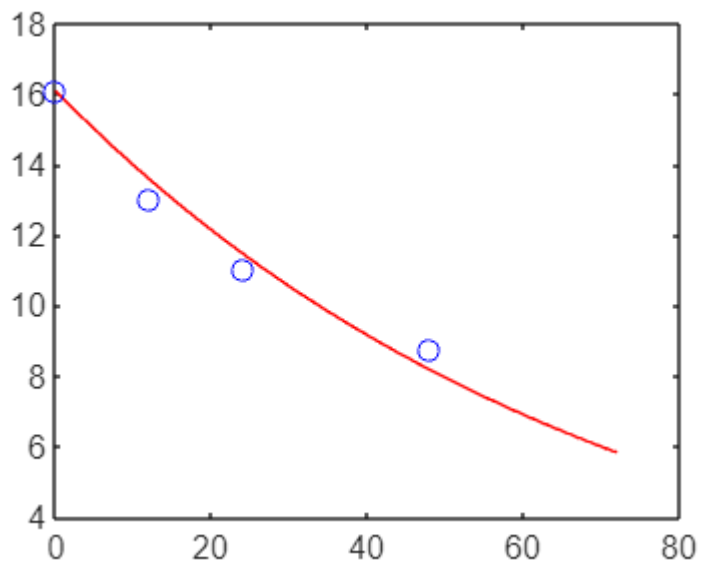
Column 2

1.6321

Column 3

0.0000

```
time=[0:.5:72];
[tsol, ysol] = ode45(@(t,y) PingPong(t,y,parm),time,16.0966);
plot(tsol,ysol,"- r",tdata,ydata,"o b")
```



```
%catch
```

```
%end
```

```
%end
```

```
%disp("done")
```