

```
commandwindow
```

```
clearvars
```

```
clc
```

```
format short g
```

```
syms t kp td tp
```

```
v = kp*(1-exp(-((t-td)/tp)))
```

```
downtown = xlsread('1587203818odevbesdata', 'data1');
```

```
t1 = downtown(:,1);
```

```
v = downtown(:,2);
```

```
V1 = round(downtown(900,2),1)
```

```
t0 = ones(length(v),1)
```

```
t = [t0 t1]
```

```
[mcoeff, mcoeffint, mresid, mresidint, manova] = regress (v,t);
```

```
%mcoeff
```

```
%rsquaredvalue = mcoeff(1)
```

```
mcoeff
```

```
manova
```

```
kp = V1
```

```
td = -mcoeff(1)
```

```
tp = mcoeff(2)
```

```
plot(t,v(:,1));
```

```
grid on
```

```
grid minor
```

Beta = nlinfit(V,t,vf,beta0)

Beta0 = [t0 t1 ]

Plot(t,Beta)

