

```
close all; clear all; clc;
Vd=[.1 .2 .3 .4 .5 .6 .7 .8 .9 1.0];
ld=[0.6*10^(-9) 4.2*10^(-9) 29*10^(-9) 176*10^(-9) 10^(-6) 7.3*10^(-6) ✓
40*10^(-6) 252*10^(-6) 2.3*10^(-3) 26*10^(-3) ];
A=[length(Vd) sum(Vd);sum(Vd) sum(Vd.^2)];
B=[sum(log(ld)); sum(Vd.*(log(ld)))];
a=A\B;
z=a(1)+a(2).*Vd;
format long
ls=exp(a(1))
n=1/(a(2)*0.025875)
plot(Vd,z, '-',Vd,log(ld), '+')
```