

This is some of the spray data.

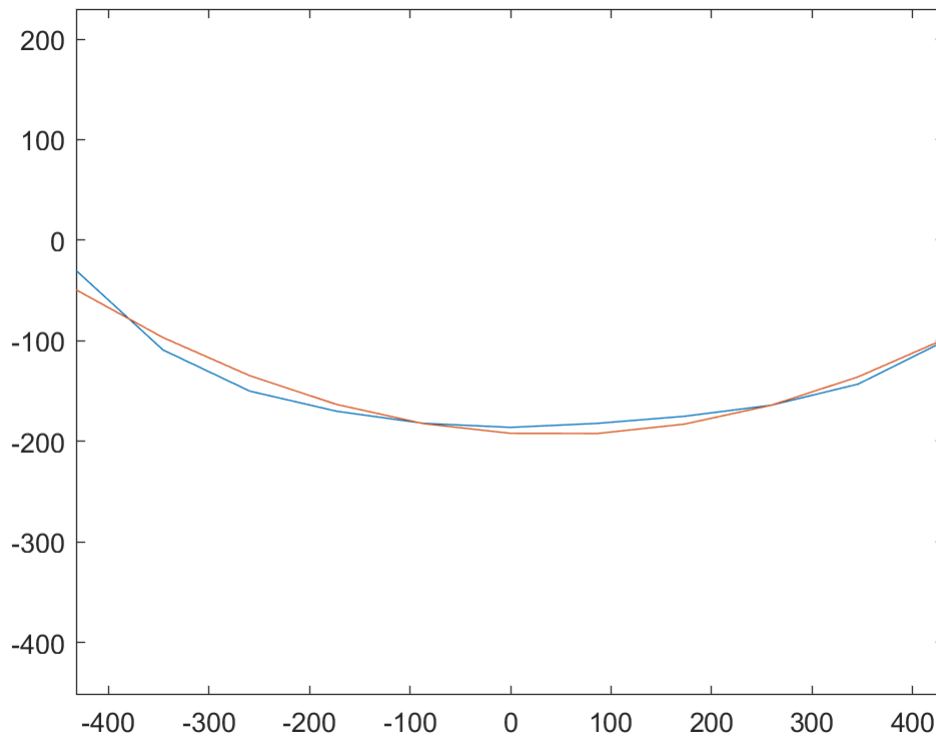
You need to find out what the two arrays below stand for by yourself.

```
dw1=[30 109 150 170 182 186 182 175 164 143 100]; %cm
station2=[139 130 125 118 109 93 73 45 20]'; %cm

x_unit=86.4;

x=linspace(x_unit*-5,x_unit*5,11);
P1=polyfit(x,dw1,2);
y1=polyval(P1,x);

figure(1)
plot(x,-dw1)
hold on
plot(x,-y1)
axis equal
hold off
```



```
z=linspace(23.35,130,9)
```

```
z = 1×9
    23.3500    36.6813    50.0125    63.3438    76.6750    90.0062   103.3375   116.6688 ...
```

```
station2=fliplr(station2')
```

```
station2 = 1×9
```

```
figure(2)
plot(station2,z)
P2=polyfit(station2,log(z),1);
z1=exp(polyval(P2,station2));
hold on
plot(station2,z1)
axis equal
hold off
```

