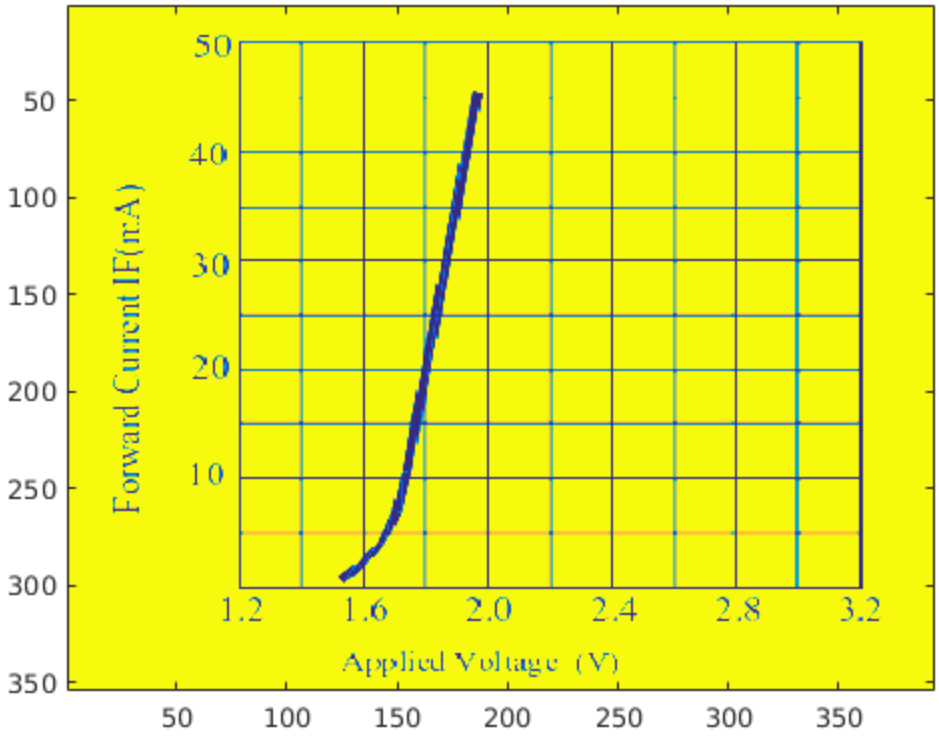
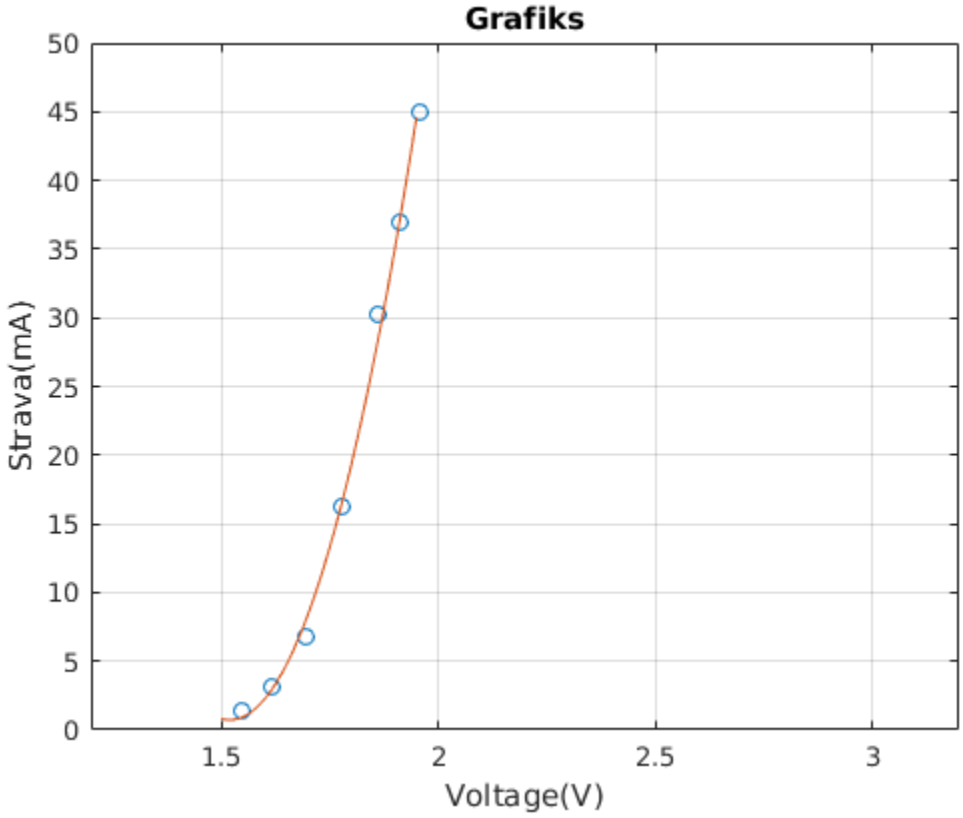
M#r#jumu datu apstr#de

```
%Grats Gr#velsins - REBC04
A = imread('a.png');
B = imread('b.png');
figure(1),image(A),shg
figure(2),image(B),shg
figure(2),image([1.2 3.2],[50 0],B),
set(gca,'YDir','normal')
%[x,y] = ginput(7)
x = [1.5500 1.6184 1.6959 1.7781 1.8602 1.9103 1.9560];
y = [1.3385 3.1413 6.7469 16.2115 30.1830 36.9434 44.9057];
plot(x,y,'*r')
U = 1.5:0.01:1.95;
C = polyfit(x,y,2)
%C = [237.4828 -721.9800 549.4505];
I = C(1)*U.^2+C(2)*U+C(3);
plot(x,y,'o',U,I)
C = polyval(C,U);
plot(x,y,'o',U,I)
xlabel('Voltage(V)');
ylabel('Strava(mA)')
title('Grafiks');
axis([1.2 3.2 0 50])
grid
%%Secinajumi: Ko es saprastu?
%1) Es ielas#ju bildes matlaba.
%2)Apgriezu asis, lai b#tu pareizi jeb sakristu.
%3)Nolas#j#m 7 punktus un p#c tiem z#m#ju grafiku
%4)Ar polyfit pal#dz#bu apr##in#ju v#rt#bas un p#c tam izveidoju 2
%pak#pes polinomu.
%5)ar xlabel, ylabel, title - Var nomain#t grafikas asu nosaukumus un
%grafika nosaukumu, grid uzlieku grafikam t#klojumu.
%Ar š#m darb#b#m var viegli pa#emt bildi ar grafiku no interneta un
%uztais#t tieši t#du pašu matlab#.


C =

  237.4345 -721.8205  549.3189
```


Forward Current IF(mA)
Applied Voltage (V)
50
40
30
20
10
1.2
1.6
2.0
2.4
2.8
3.2
50
100
150
200
250
300
350


Grafiks
Strava(mA)
Voltage(V)
0
5
10
15
20
25
30
35
40
45
50
1.5
2
2.5
3

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