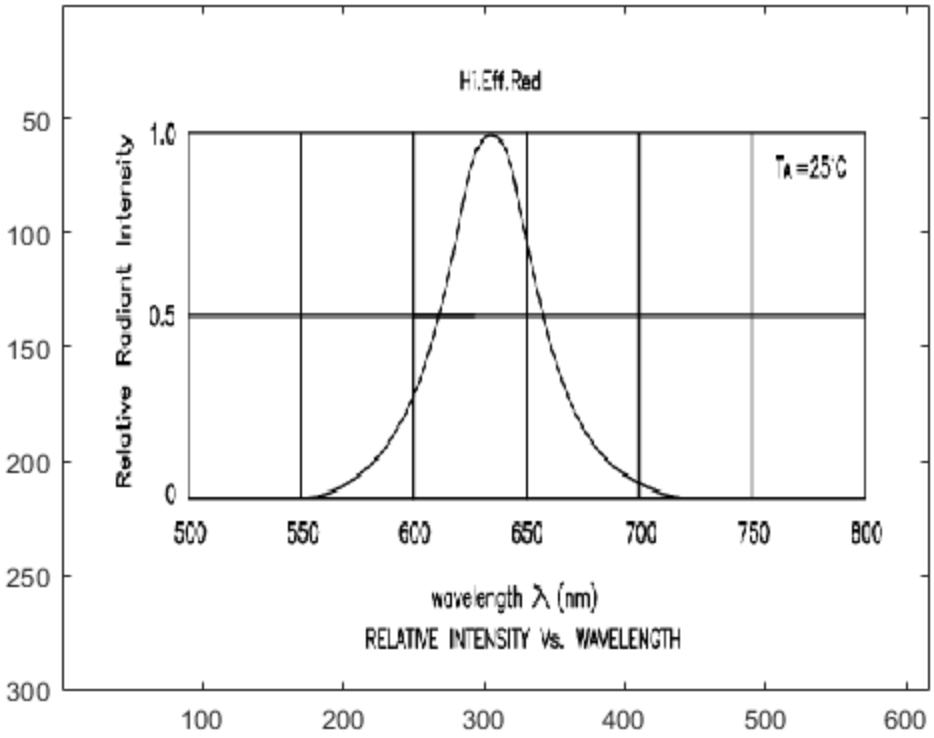
Laboratorijas darbs #1

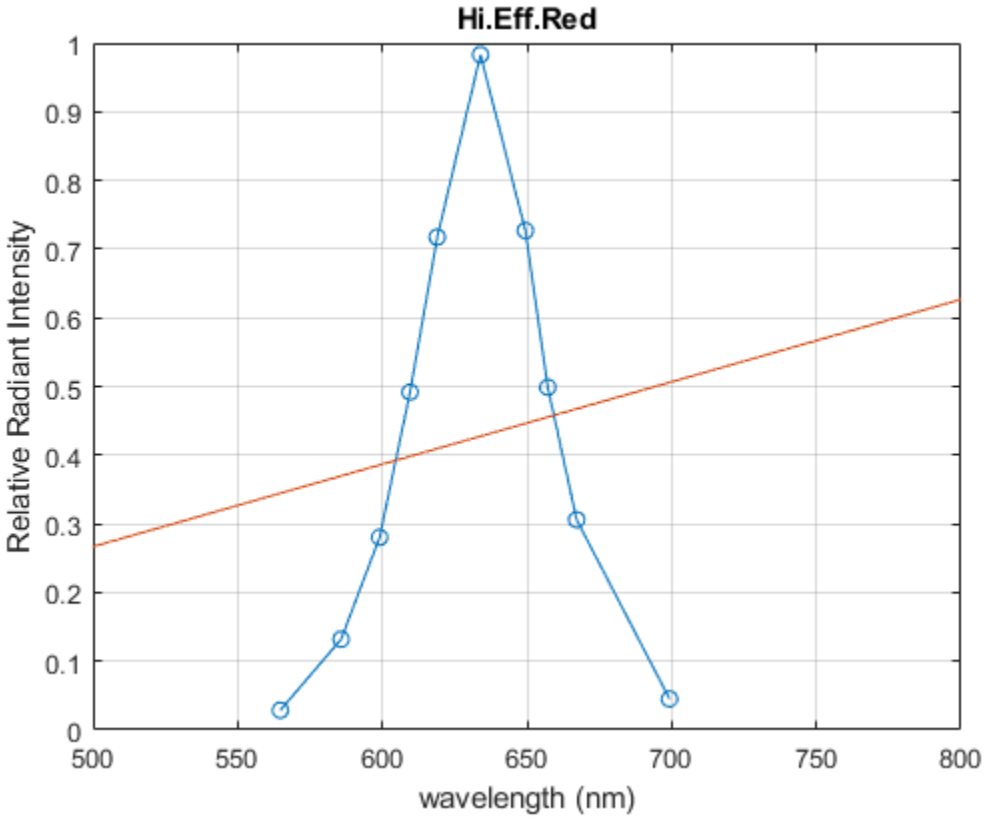
Merijumu datu apstrade

Viktors Djakonovs

REBCO3

```
A = imread('a.png');
B = imread('b.png');
figure(1),image(A);
figure(2),image(B);
figure(2),image([500 800],[1 0],B);
x = [564.7395 585.7778 599.0652 609.5843 618.9962 633.9445 649.4464
 657.1973 667.1628 699.2739];
y = [0.0286 0.1321 0.2802 0.4918 0.7175 0.9831 0.7269 0.4988 0.3060
 0.0451];
set(gca,'YDir','normal');
C = polyfit(x,y,1);
xx =  500:0.01:800;
yy = polyval(C,xx);
plot(x,y,'o-',xx,yy)
xlabel('wavelength (nm)')
ylabel('Relative Radiant Intensity')
title('Hi.Eff.Red')
grid
```


Hi.Eff.Red
Relative Radiant Intensity
1.0
0.5
0
T_A=25°C
500
550
600
650
700
750
800
wavelength λ (nm)
RELATIVE INTENSITY Vs. WAVELENGTH
50
100
150
200
250
300
100
200
300
400
500
600


Hi.Eff.Red
Relative Radiant Intensity
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
500
550
600
650
700
750
800
wavelength (nm)

Secinajumi

Veicot 1. Laboratorijas darbu es iemacijos pievienot fotografiju ar grafikiem un nolacit datus no ta pasa grafika izmantojot [x,y]=ginput(n) komandu un peli.

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