1.laboratorijas darbs

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M#r#jumu datu apstr#de

M#r#i:

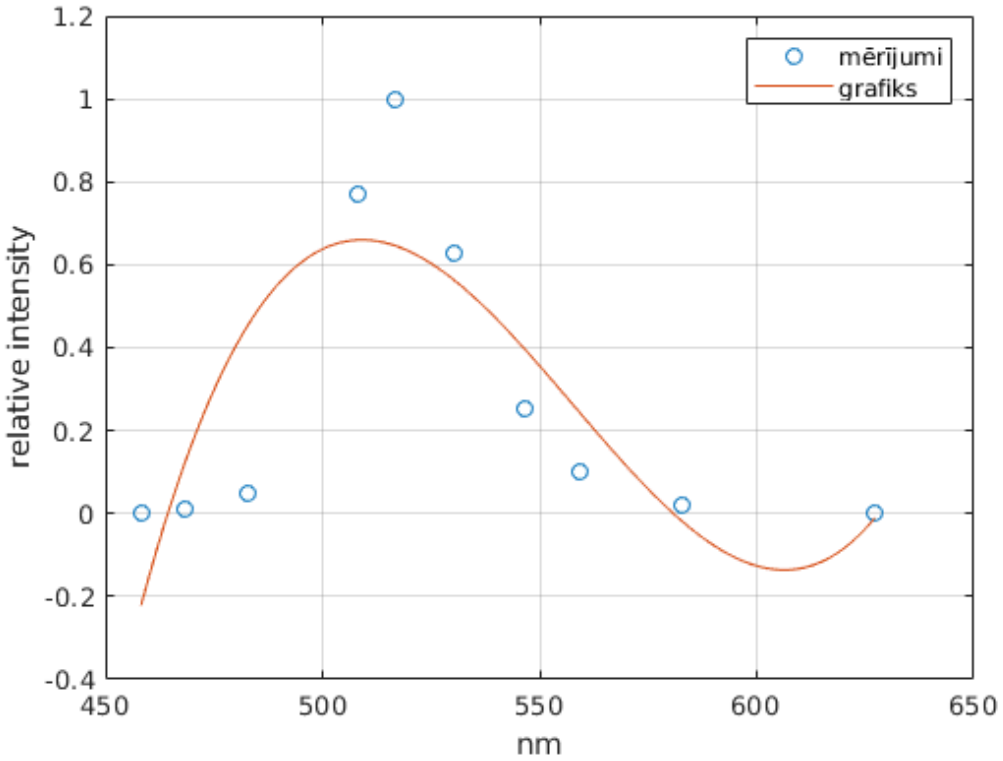
- Iem#c#ties apstr#d#t m#r#jumu datus
- Iem#c#ties lietot polyfit, polyval
- Iem#c#ties veidot matlab atskaites izmantojot "publish"

Darba programma:

```
x =[458.2308 468.4350 482.6075 516.6214 508.1179 530.2270 546.6671
 627.1668 582.9486 559.1389];
y =[-0.0002 0.0117 0.0504 1.0002 0.7680 0.6280 0.2529 0.0027 0.0206
 0.1010];
C = polyfit(x,y,3)
X = linspace(min(x),max(x),100);
Y = polyval(C,X);
plot(x,y,'o',X,Y)
xlabel('nm')
ylabel('relative intensity')
legend('m#r#jumi','grafiks')
grid
```

```
Warning: Polynomial is badly conditioned. Add points with distinct X
 values,
reduce the degree of the polynomial, or try centering and scaling as
described in HELP POLYFIT.
```

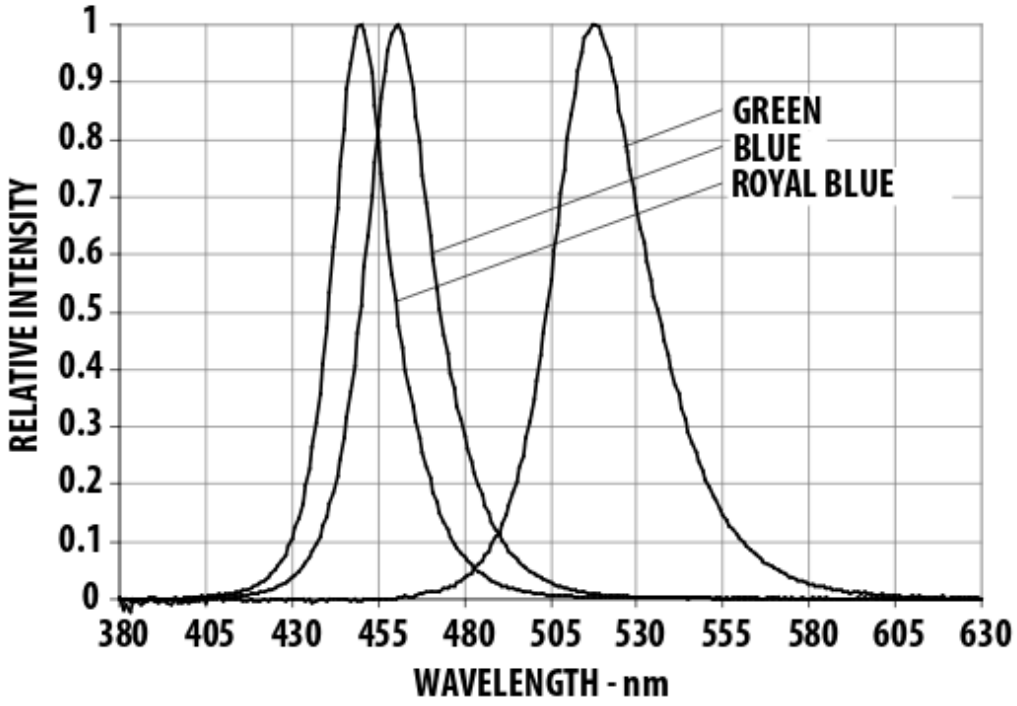
```
C =

    0.0000   -0.0029    1.6033 -293.2310
```



Secin#jumi

šos m#r#jumu rezult#tus ar polyfit un polyval funkcij#m nevar prec#zi att#lot un šie grafiki ir #oti neprec#zi var#tu prec#z#k att#lot grafikus ja b#tu vair#k m#r#jumu

izmantoju GREEN grafiku



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