1.laboratorijas darbs

Table of Contents

M#r#jumu datu apstr#de

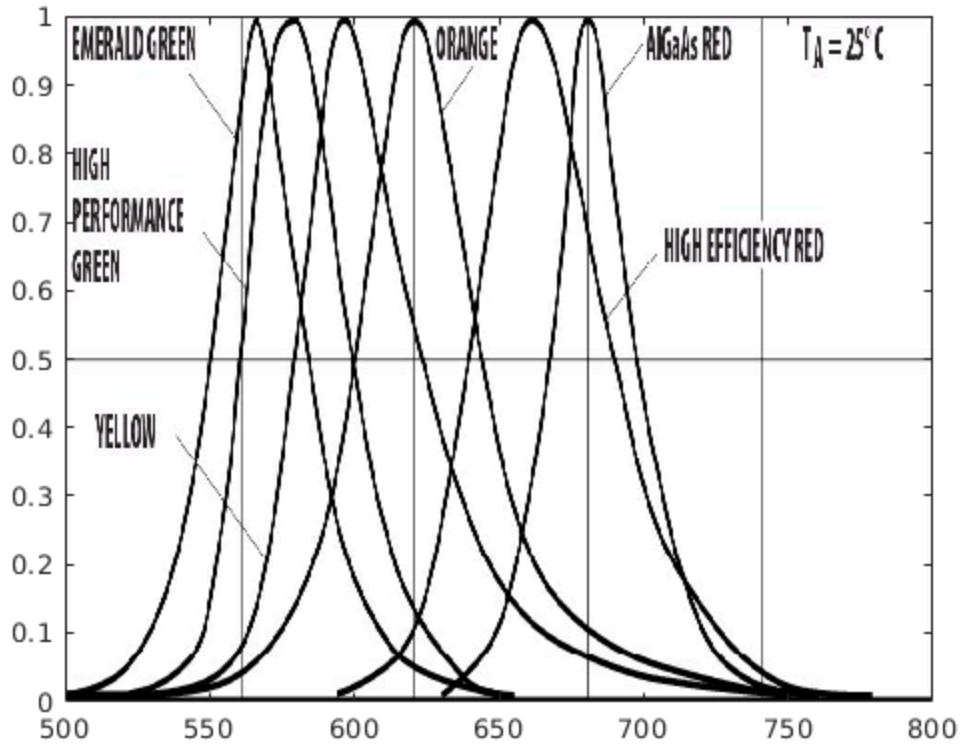
M#r#i:

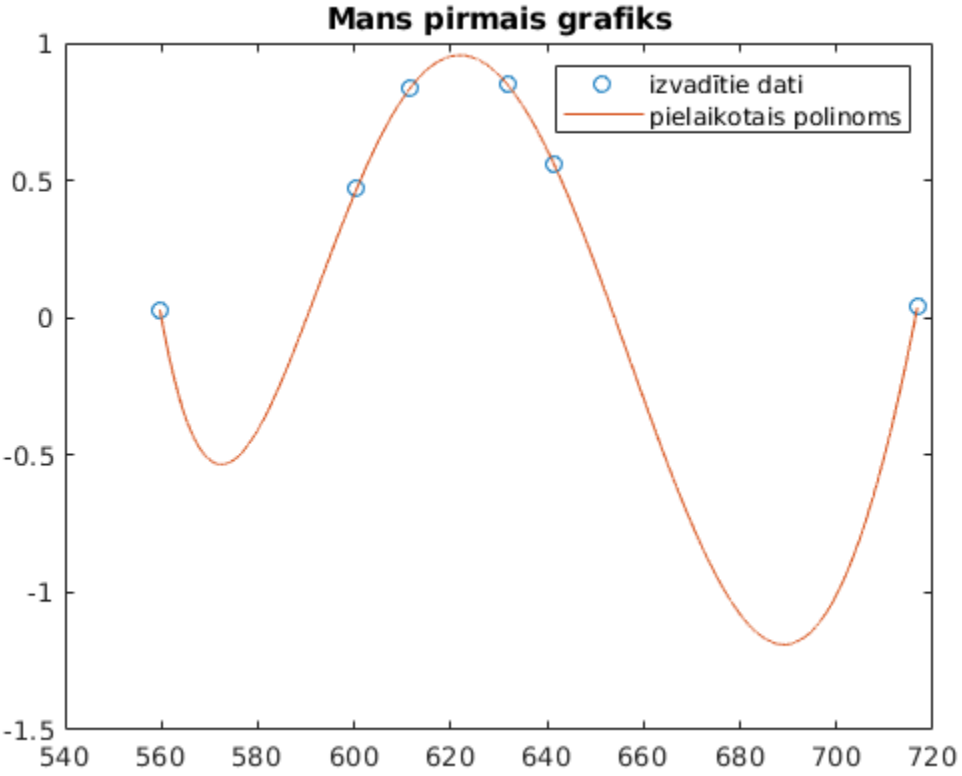
- Iem#c#ties apstr#d#t m#r#jumu datus
- Iem#c#ties lietot polyfit,polyval
- Iem#c#ties veidot darba atskaites
- izmantojot "publish"

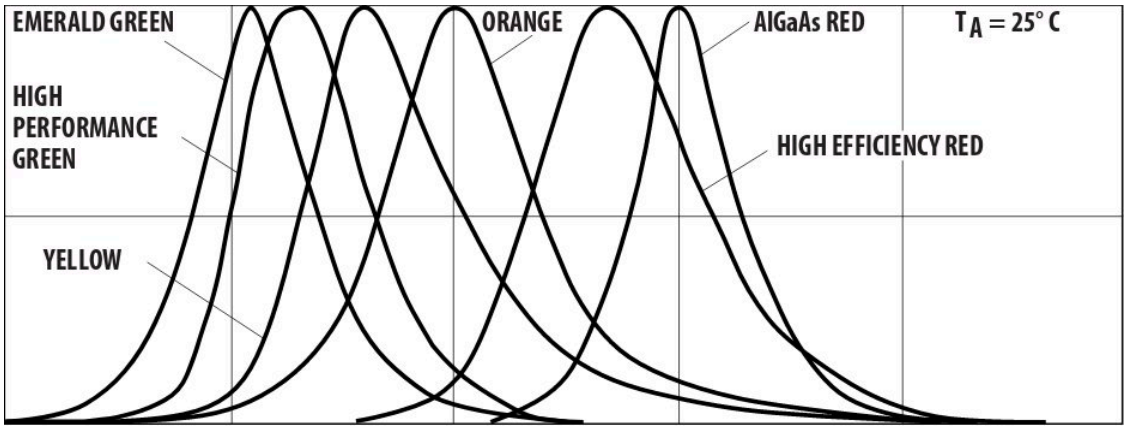
Darba programma:

```
A = imread('grafiks_2.jpg');
figure(1),image([500 800],[1 0],A)
set(gca,'YDir','normal')
[x,y] = ginput(6);
x1 =min(x):0.01:max(x);
C = polyfit(x,y,5);
y1 = polyval(C,x1);
figure(2),plot(x,y,'o',x1,y1)
figure(2),title('Mans pirmais grafiks')
figure(2),legend('izvad#tie dati','pielaikotais polinoms')
```

```
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.
```


EMERALD GREEN
ORANGE
AlGaAs RED
$T_A = 25^\circ C$
HIGH PERFORMANCE GREEN
HIGH EFFICIENCY RED
YELLOW
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


Mans pirmais grafiks
izvadītie dati
pielaikotais polinoms
1
0.5
0
-0.5
-1
-1.5
540
560
580
600
620
640
660
680
700
720



Secin#jumi:

Secin#jumos man san#ca, ka izvad#tais grafiks gandr#z sakr#t ar iz vad#tiem datiem.

```
%Darba m#r#is ir sasniegts.
```

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