
```
clear
%mk metod
x=[0; 0.5; 1; 1.5; 2; 2.99; 3];
y=[0; 0.52; 1.09; 1.75; 2.45; 3.5; 4];

A=[ x x.^2];
B = A' *A;
C = A' * y;

d=B\C;

coeff1=d(1);
coeff2=d(2);

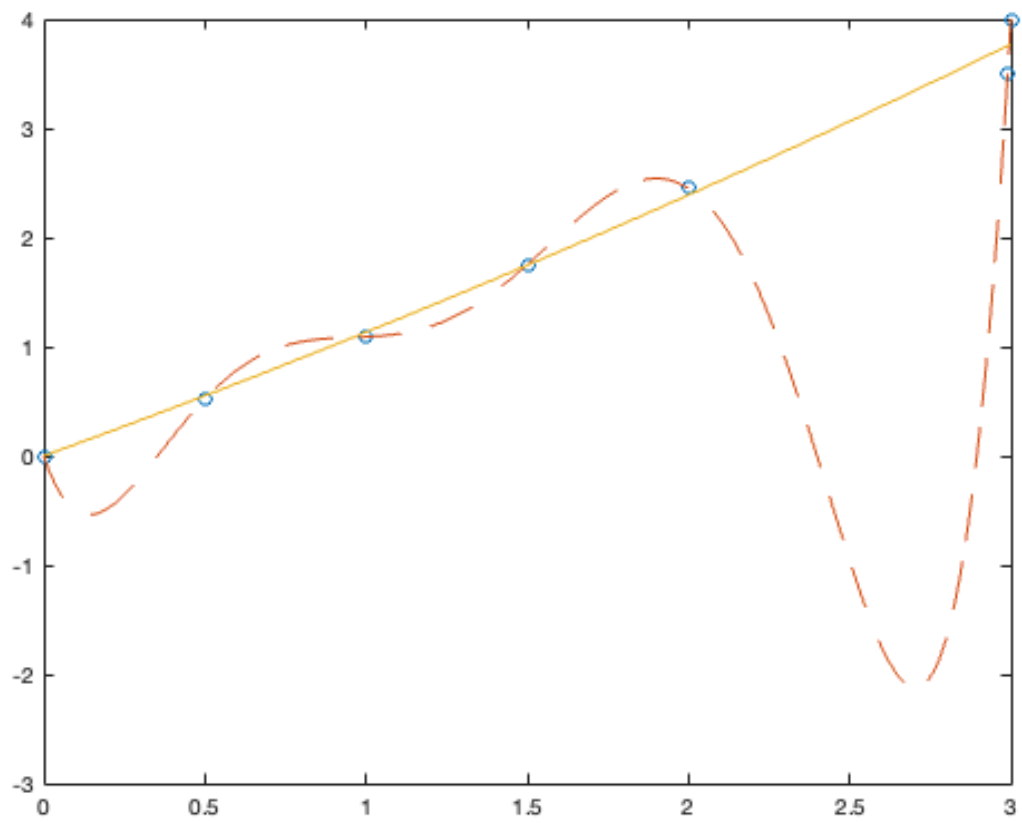
n=length(x);
e=norm(A*d-y)/sqrt(n);

xmq = 0:1/100:3;
ymq = coeff2*(xmq.^2) + coeff1*xmq ;

%Polynominterpolation
x = [0, 0.5, 1, 1.5, 2, 2.99, 3];
y = [0, 0.52, 1.09, 1.75, 2.45, 3.5, 4.0];
p = polyfit(x,y,6);
f = @(x) polyval(p,x);

a =min(x):1/100:max(x);

plot(x,y,'o',a,f(a),'--', xmq,ymq,'-');
```



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