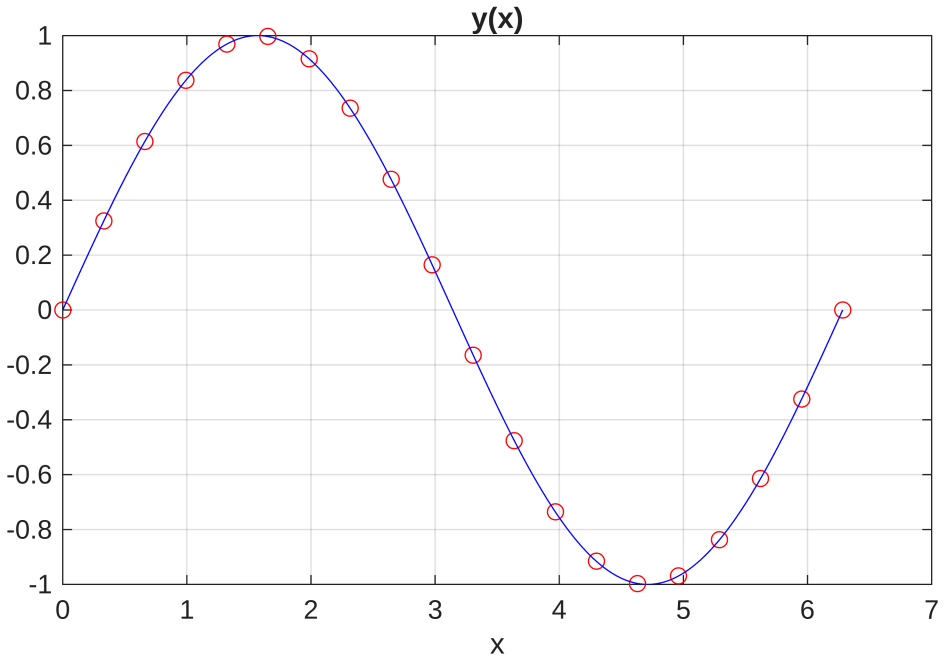
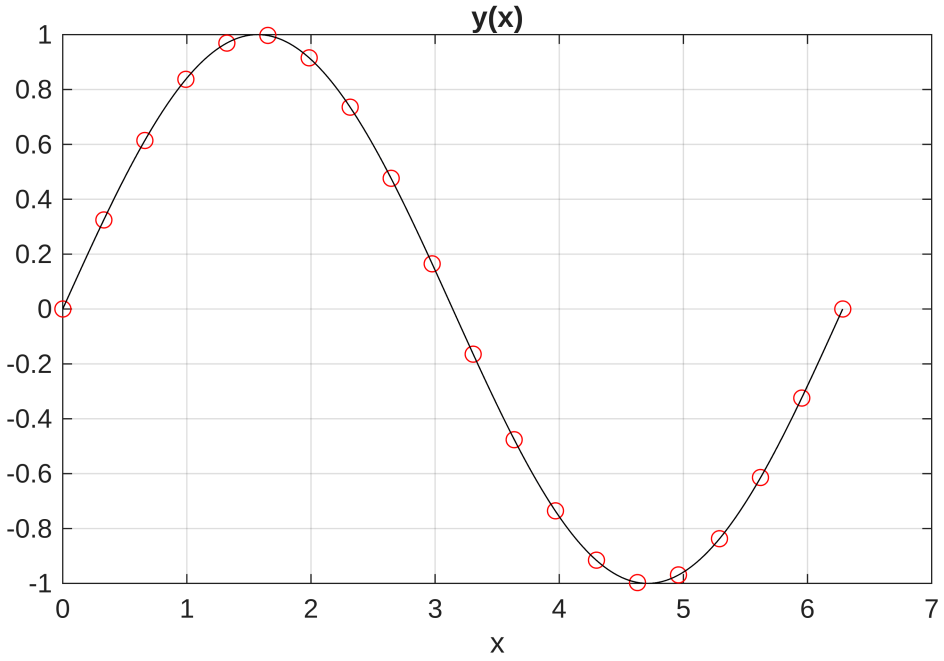
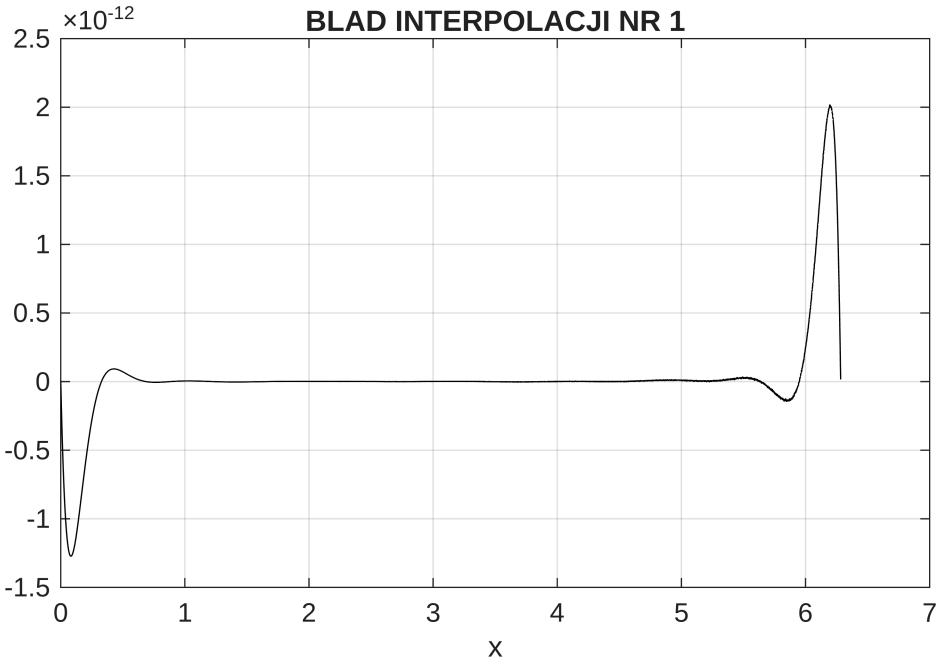
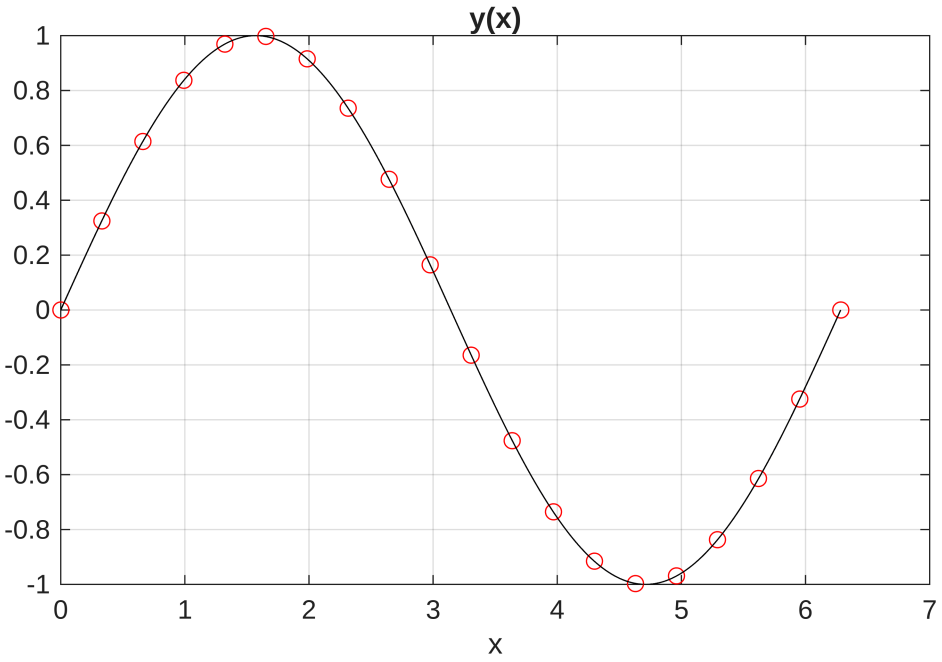
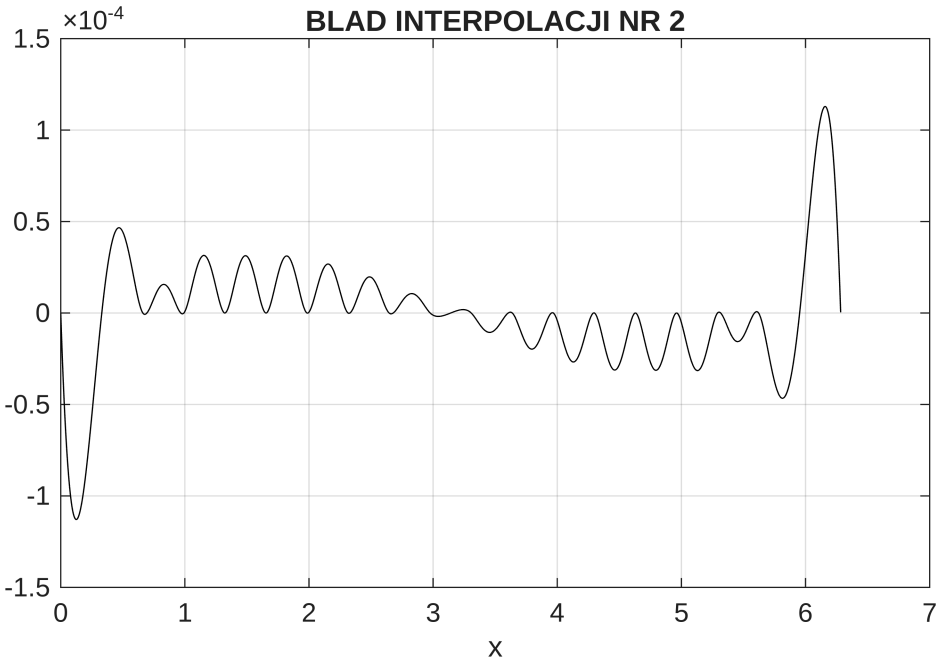



```
Warning: Polynomial is badly conditioned. Add points with distinct X values, reduce the degree of
the polynomial, or try centering and scaling as described in HELP POLYFIT.
a = 1×20
    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000 ···

a = 1×20
   -0.0000    1.0000   -0.0000   -0.1667   -0.0000    0.0083   -0.0000   -0.0002 ···

max_abs_yi =
3.3168e-14
```




BLAD INTERPOLACJI NR 1
×10-12
2.5
2
1.5
1
0.5
0
-0.5
-1
-1.5
0
1
2
3
4
5
6
7
x

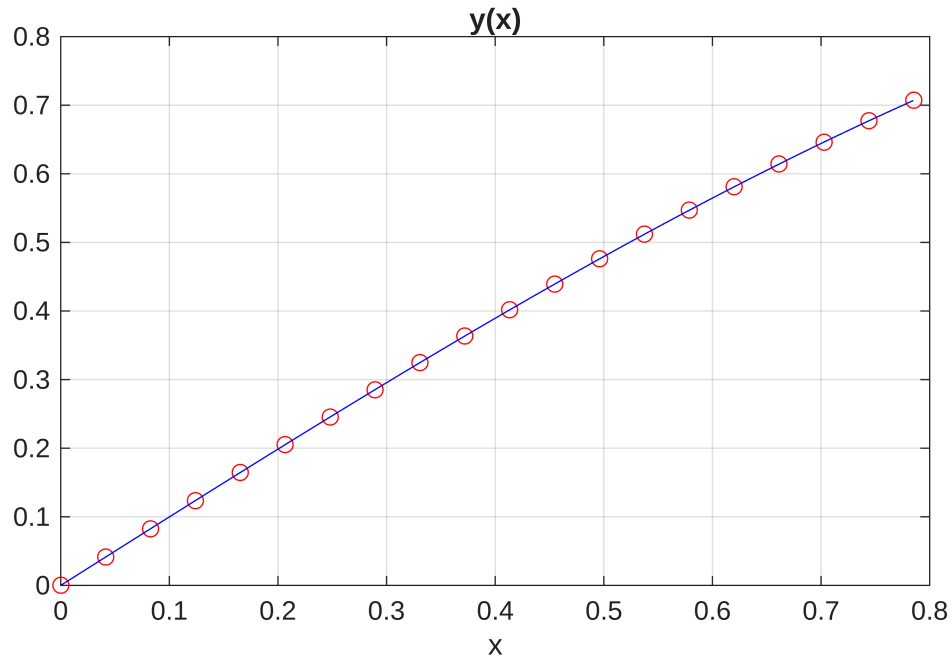

y(x)
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
1
2
3
4
5
6
7
x



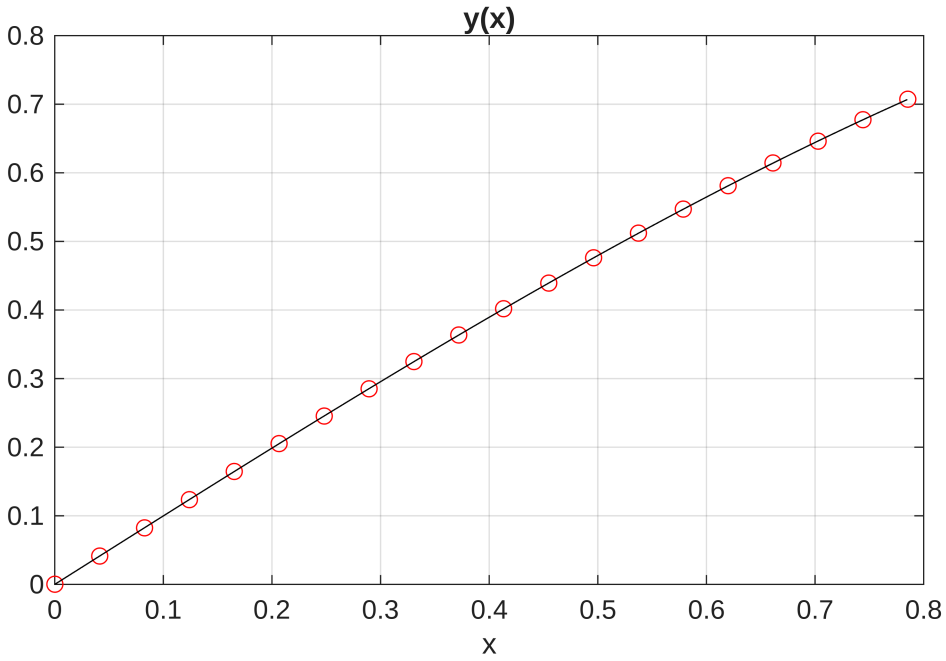
y = pi/4

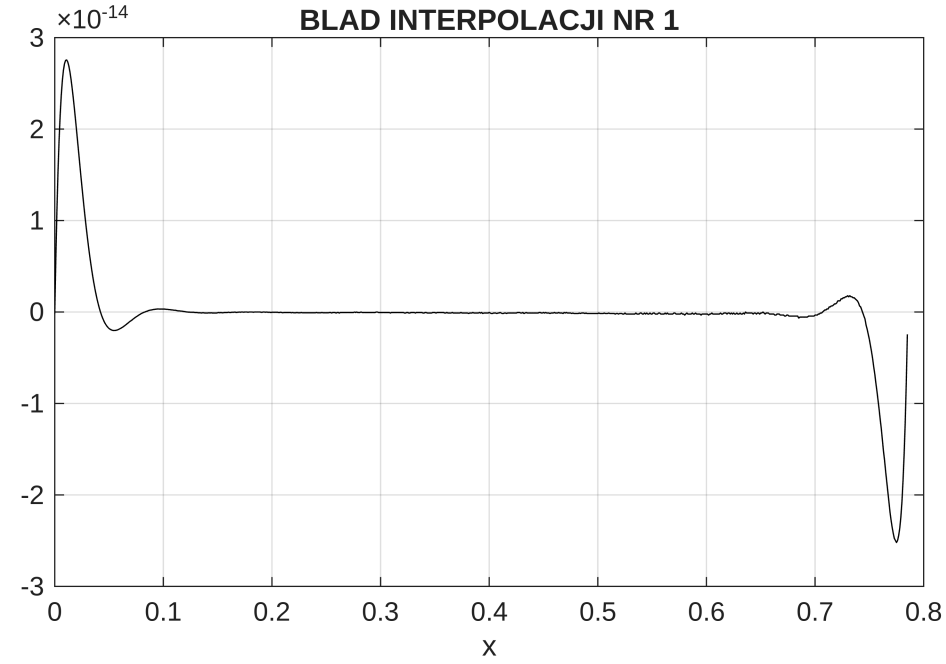
```
============================
```

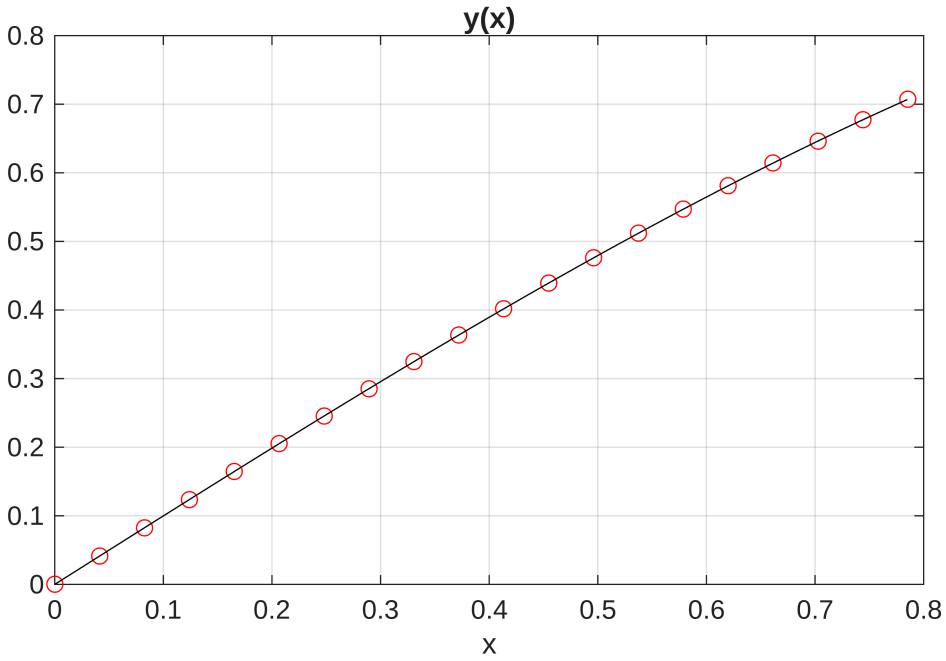
```
y = pi/4
```

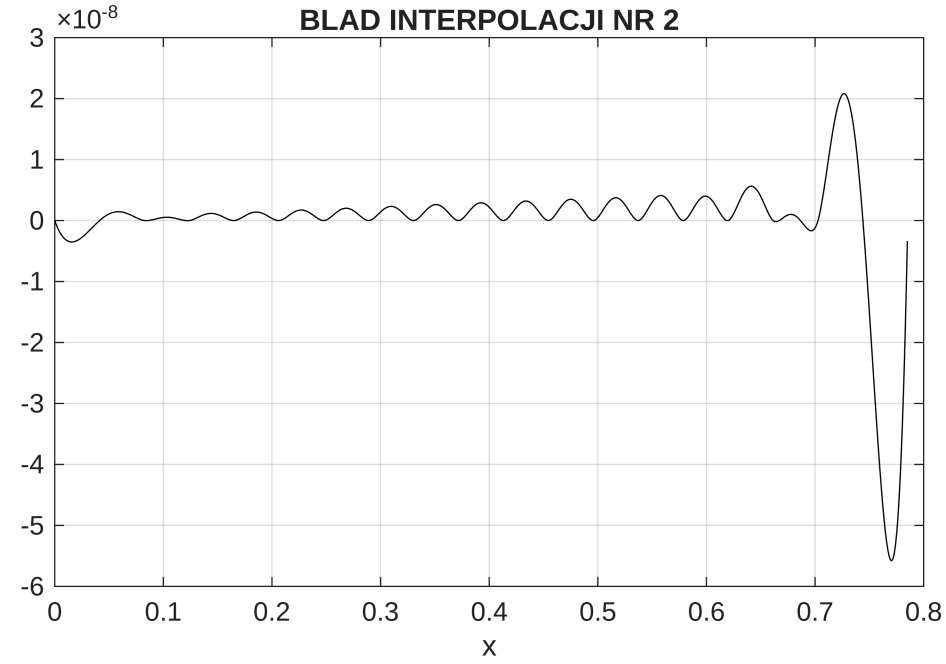



```
Warning: Polynomial is badly conditioned. Add points with distinct X values, reduce the degree of
the polynomial, or try centering and scaling as described in HELP POLYFIT.
a = 1×20
   -0.0036    0.0270   -0.0935    0.1993   -0.2929    0.3144   -0.2553    0.1600 ···

a = 1×20
    0.0000    1.0000    0.0000   -0.1667    0.0000    0.0083    0.0001   -0.0006 ···

max_abs_yi =
5.5511e-16
```


y(x)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
x

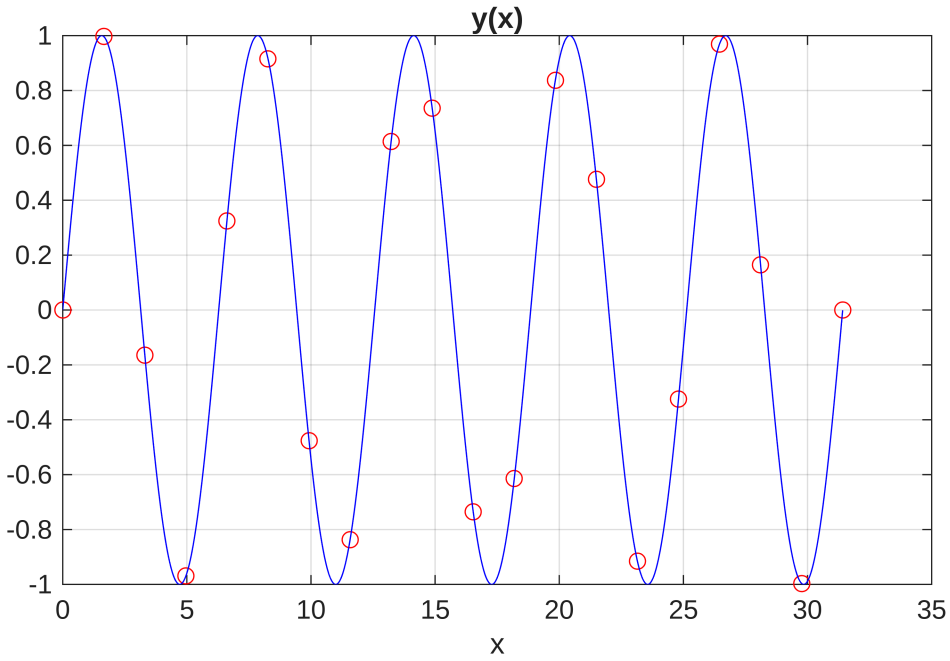

×10-14
BLAD INTERPOLACJI NR 1
3
2
1
0
-1
-2
-3
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
x


y(x)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
x

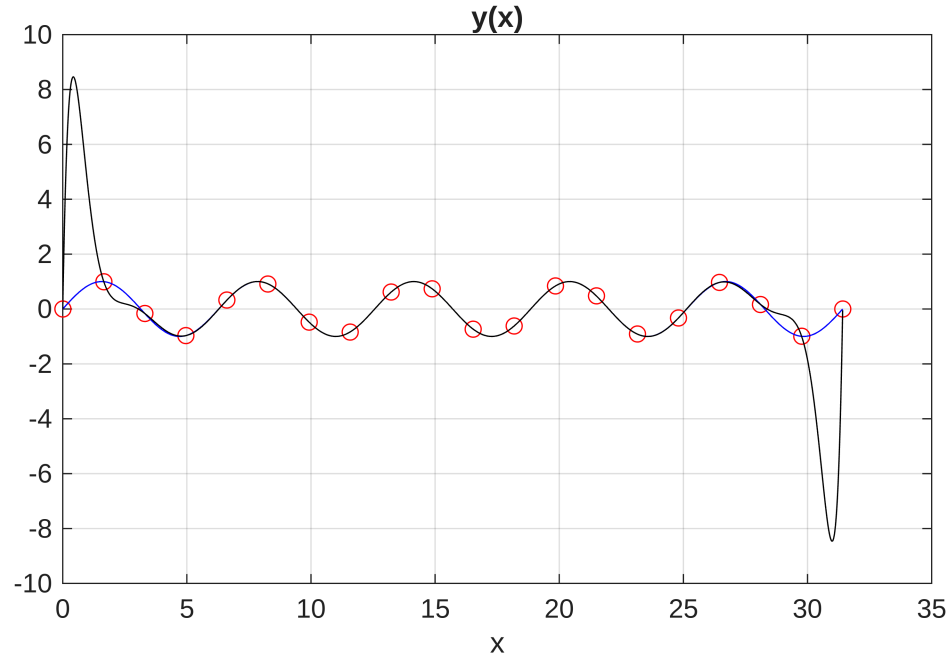

×10-8
BLAD INTERPOLACJI NR 2
3
2
1
0
-1
-2
-3
-4
-5
-6
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
x

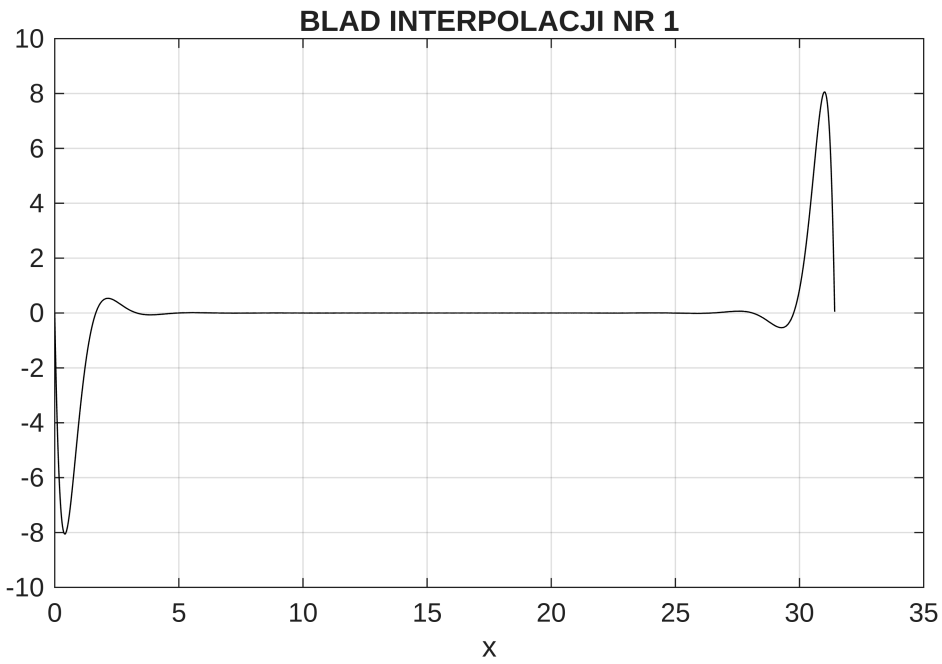
y = 5*2pi

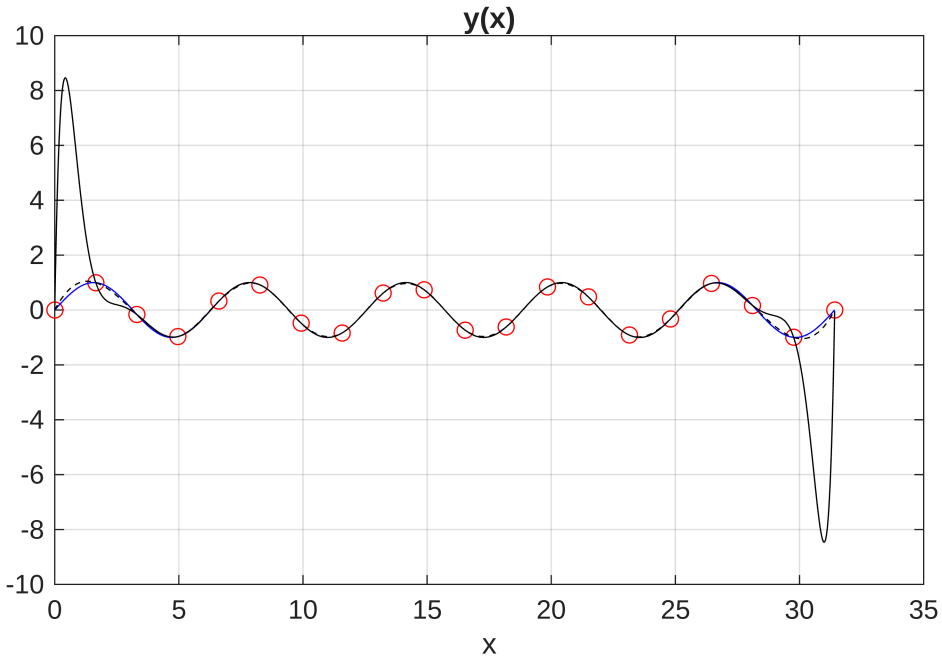
```
============================
y = 5*2pi
```

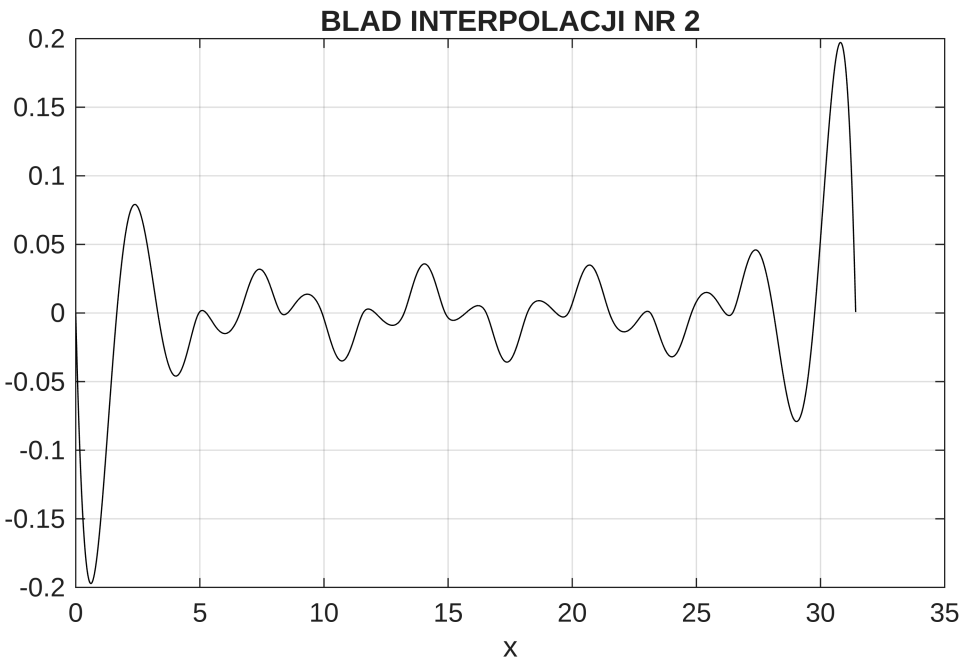



```
Warning: Polynomial is badly conditioned. Add points with distinct X values, reduce the degree of
the polynomial, or try centering and scaling as described in HELP POLYFIT.
a = 1×20
    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000 ···

a = 1×20
    0.0003   51.2357 -108.0701  101.3056  -56.0350   20.5956   -5.3793    1.0406 ···

max_abs_yi =
0.0032
```




BLAD INTERPOLACJI NR 1
10
8
6
4
2
0
-2
-4
-6
-8
-10
0
5
10
15
20
25
30
35
x

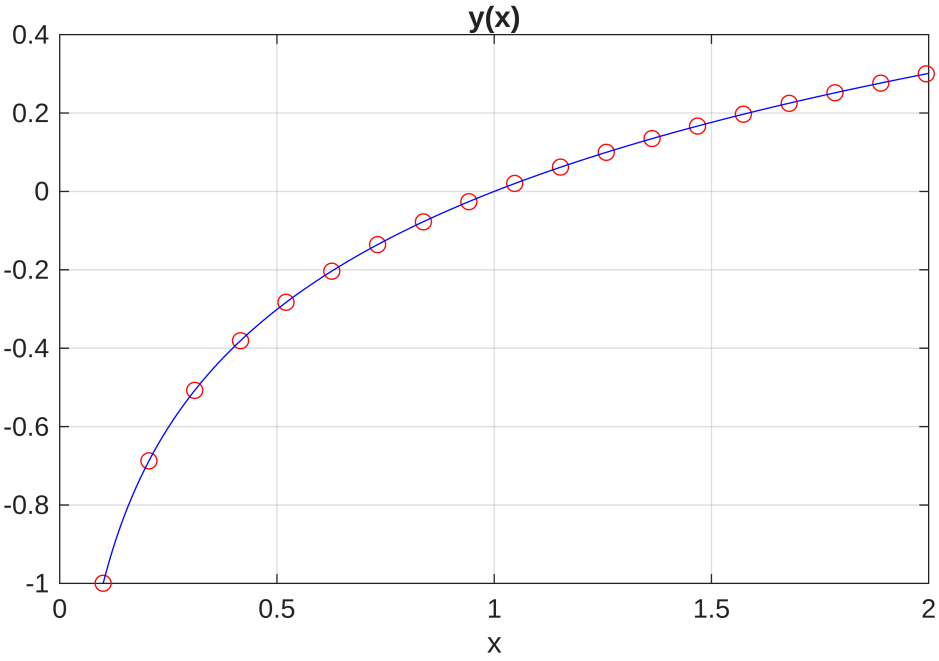

y(x)
10
8
6
4
2
0
-2
-4
-6
-8
-10
0
5
10
15
20
25
30
35
x



y = log10(x)

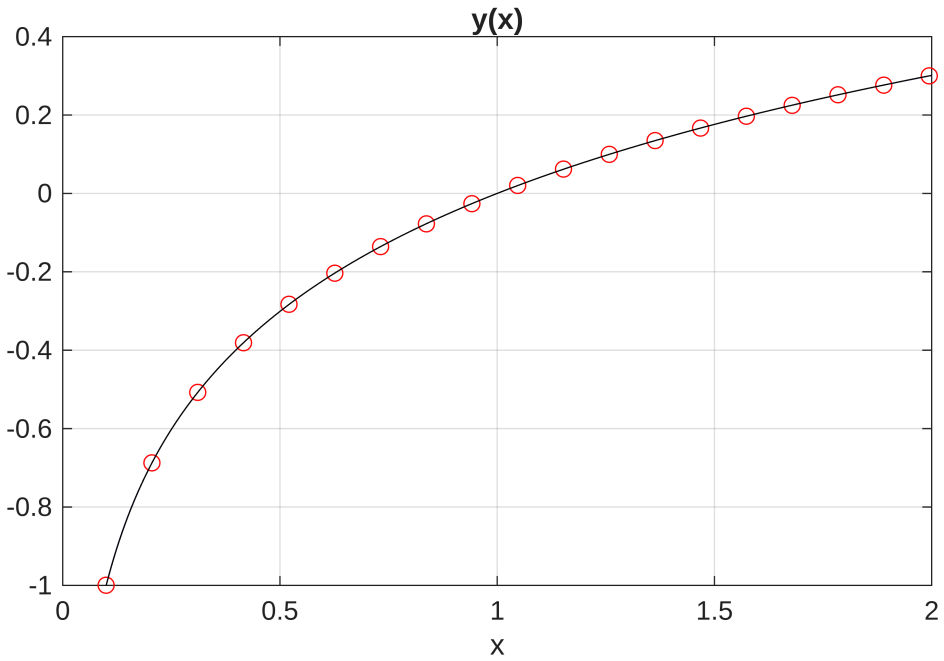
```
============================
```

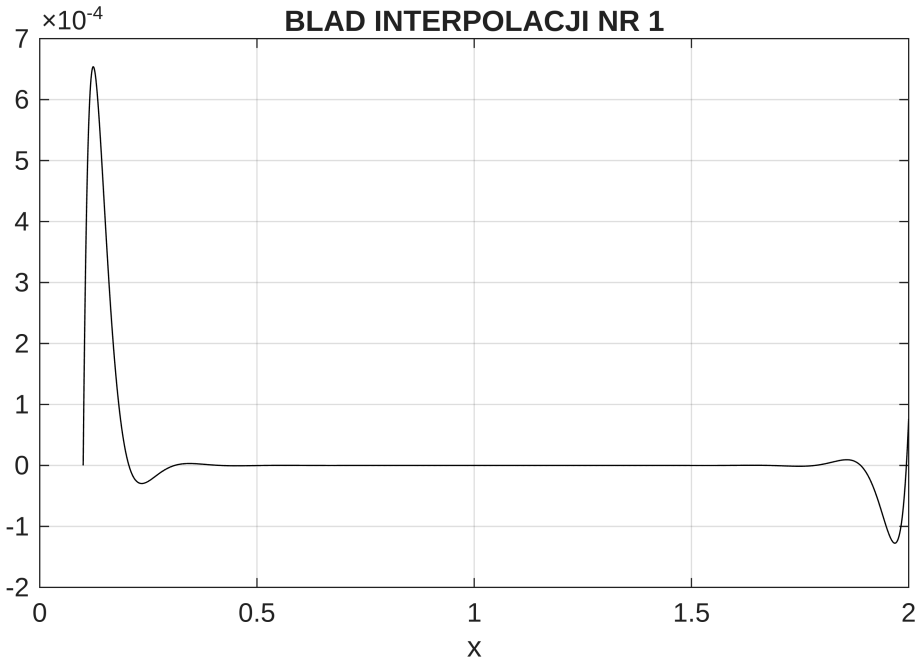
```
y = log10(x)
```

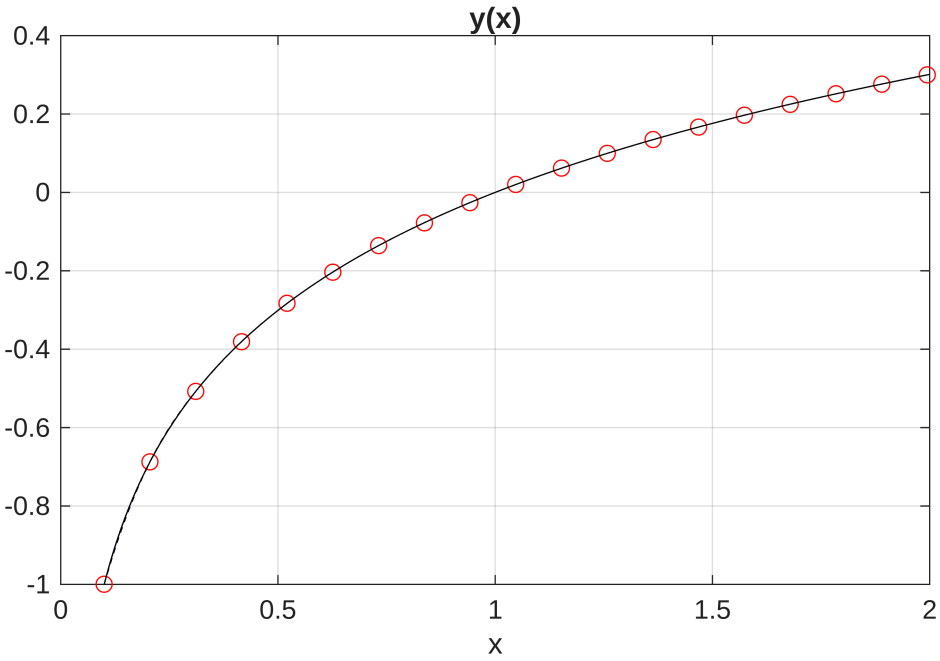


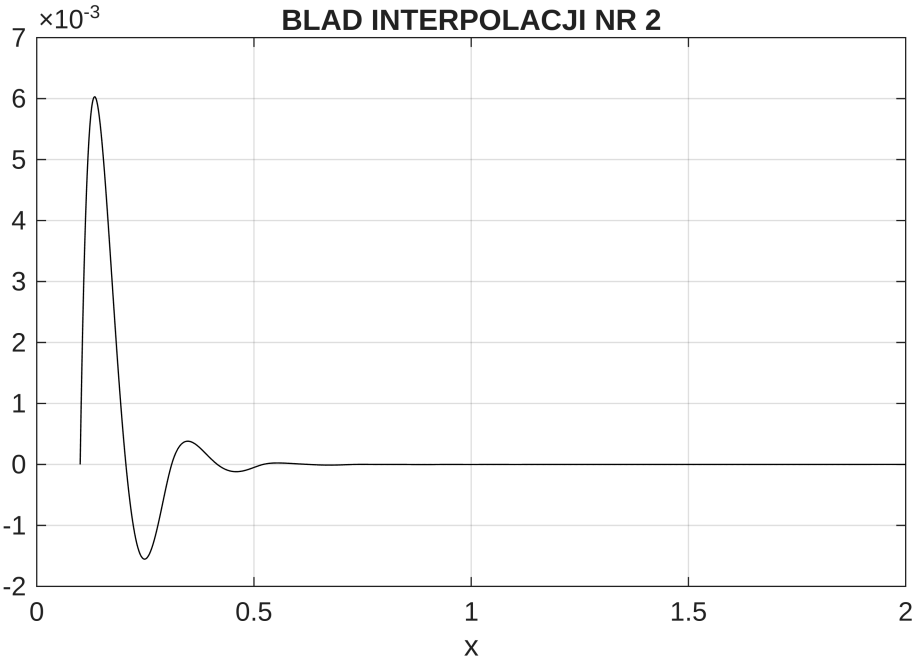

```
Warning: Polynomial is not unique; degree >= number of data points.
a = 1×20
10^4 ×
   -0.0000    0.0009   -0.0082    0.0431   -0.1538    0.3894   -0.7080    0.8967 ···

a = 1×20
10^4 ×
   -0.0002    0.0013   -0.0081    0.0398   -0.1451    0.3925   -0.7927    1.1840 ···
```

```
max_abs_yi =
1.6302e-08
```



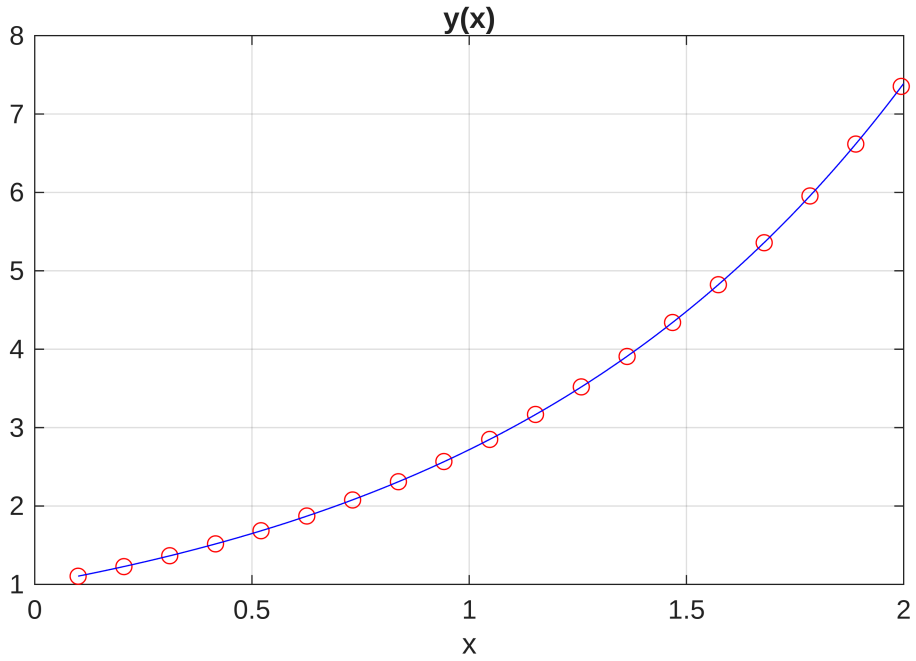



y(x)
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
0.5
1
1.5
2
x

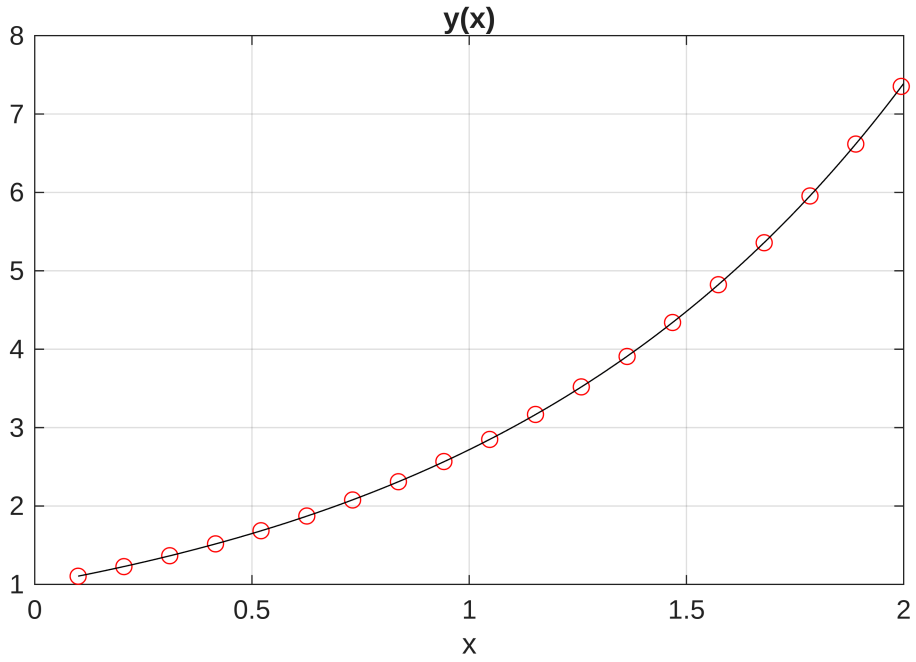

×10-3
BLAD INTERPOLACJI NR 2
7
6
5
4
3
2
1
0
-1
-2
0
0.5
1
1.5
2
x

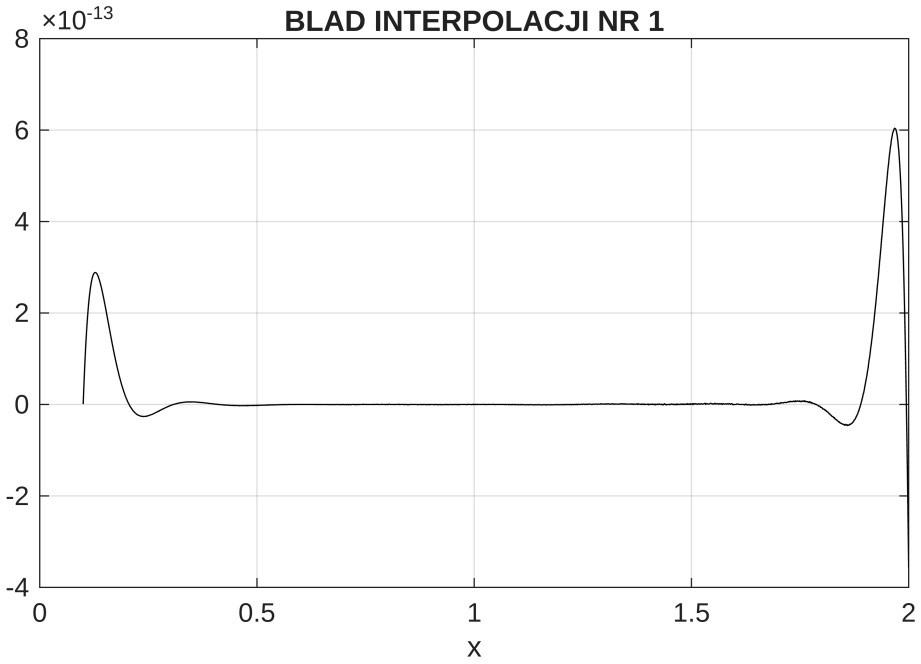
y = exp(x)

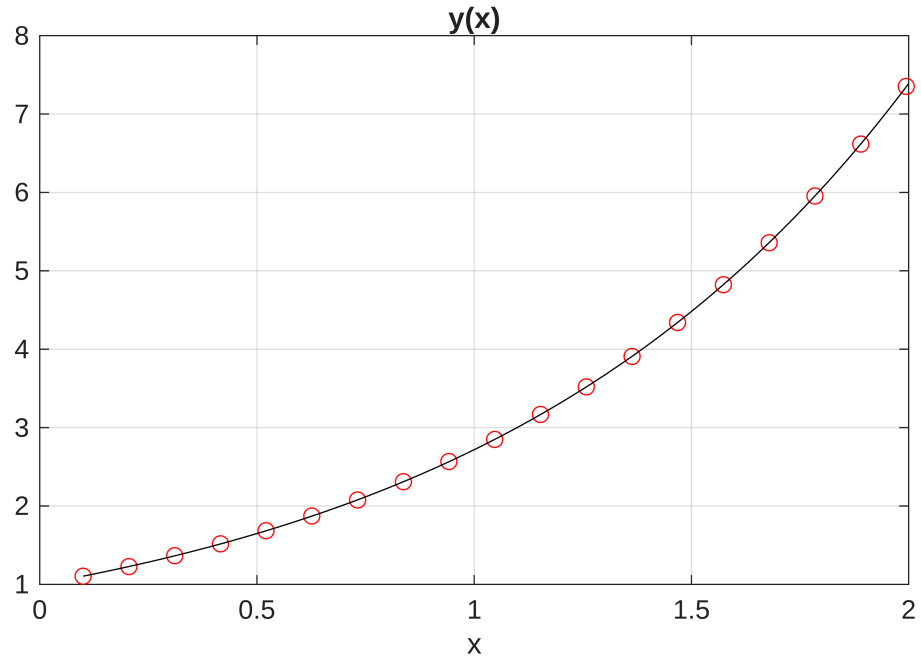
```
============================
y = exp(x)
```

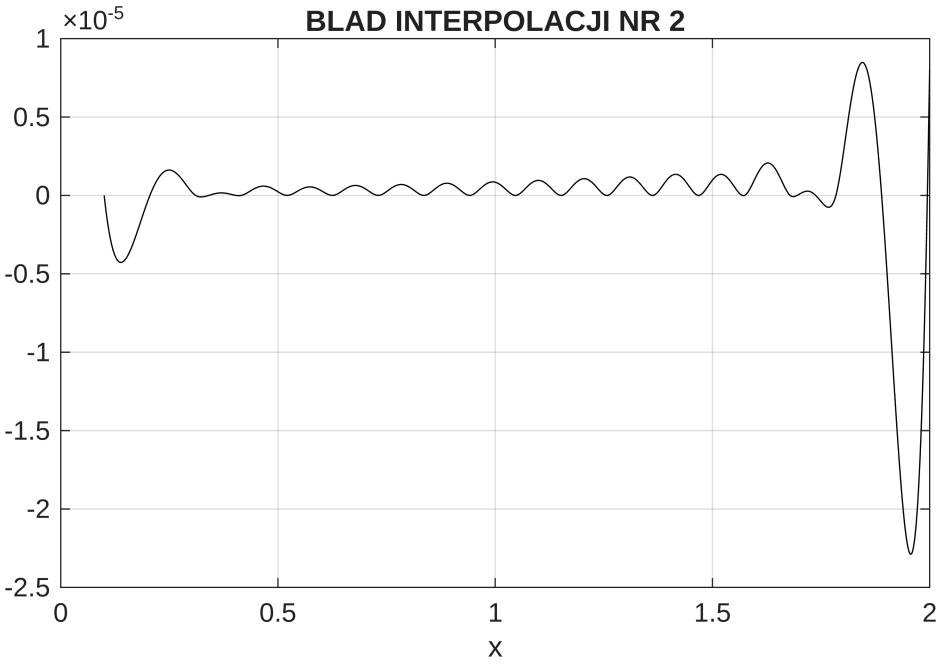



```
Warning: Polynomial is not unique; degree >= number of data points.
a = 1×20
    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000    0.0000   -0.0000 ···

a = 1×20
    1.0000    1.0000    0.5000    0.1667    0.0417    0.0083    0.0014    0.0002 ···

max_abs_yi =
3.5527e-15
```




BLAD INTERPOLACJI NR 1
×10-13
8
6
4
2
0
-2
-4
0
0.5
1
1.5
2
x


y(x)
8
7
6
5
4
3
2
1
0
0.5
1
1.5
2
x


BLAD INTERPOLACJI NR 2
×10-5
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
0
0.5
1
1.5
2
x