

POVPREČJA

Matej Ulčar

Uporabljeni programa:
MS Excel
OriginPro 8

1. Interval.dat

$y_{pov} = 311,08$
 $\sigma_{may} = 314,84$

Tretjinski odseki:
 $y_{pov1} = 302,76$
 $\sigma_{may1} = 323,67$
 $y_{pov2} = 331,60$
 $\sigma_{may2} = 327,62$
 $y_{pov3} = 298,89$
 $\sigma_{may3} = 290,93$

2.

Opredeljeno:

Agxx.dat:

$y_{pov} = 17,89$
 $\sigma_{may} = 206,5$
 $\mu_{y} = 13675$

Ozadje.dat:

$y_{pov} = -4,88 \cdot 10^{-7}$
 $\sigma_{may} = 5,98 \cdot 10^{-4}$
 $\mu_{y} = -400$

Direktno:

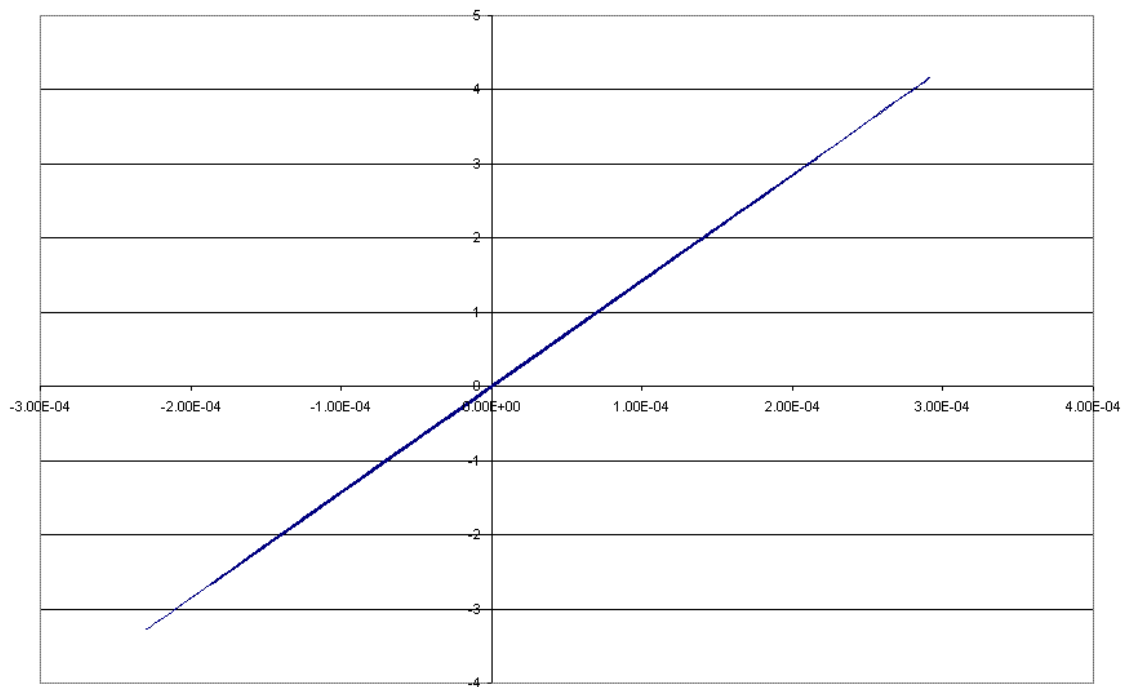
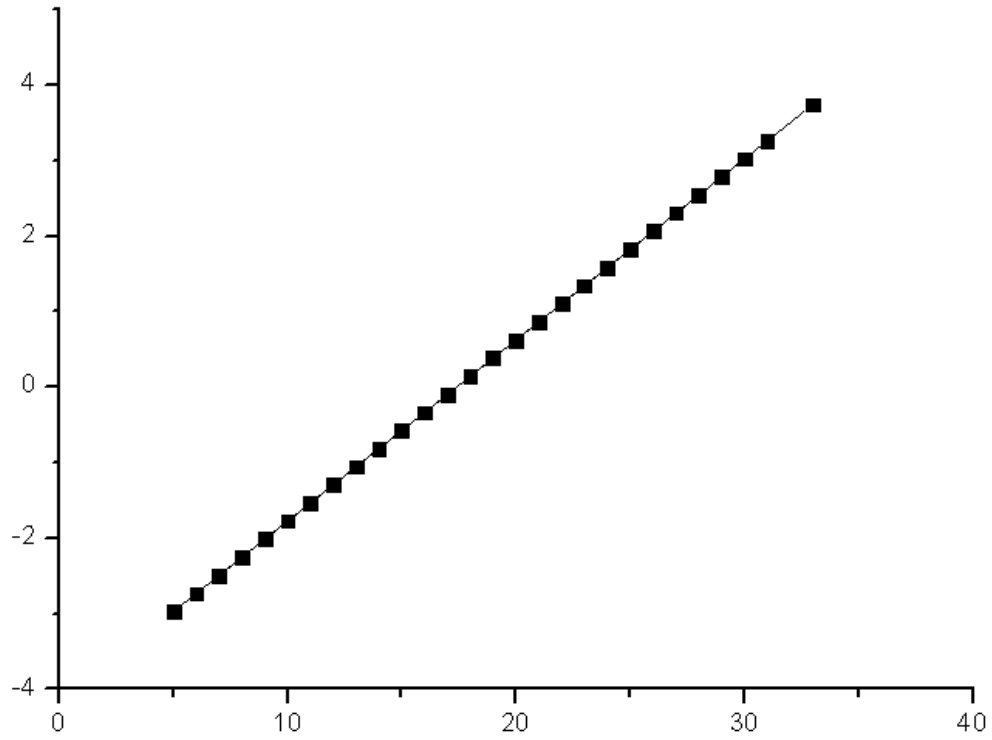
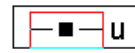
Agxx.dat:

$y_{pov} = 17,40$
 $\sigma_{may} = 4,17$
 $\mu_{y} = 85358$

Ozadje.dat:

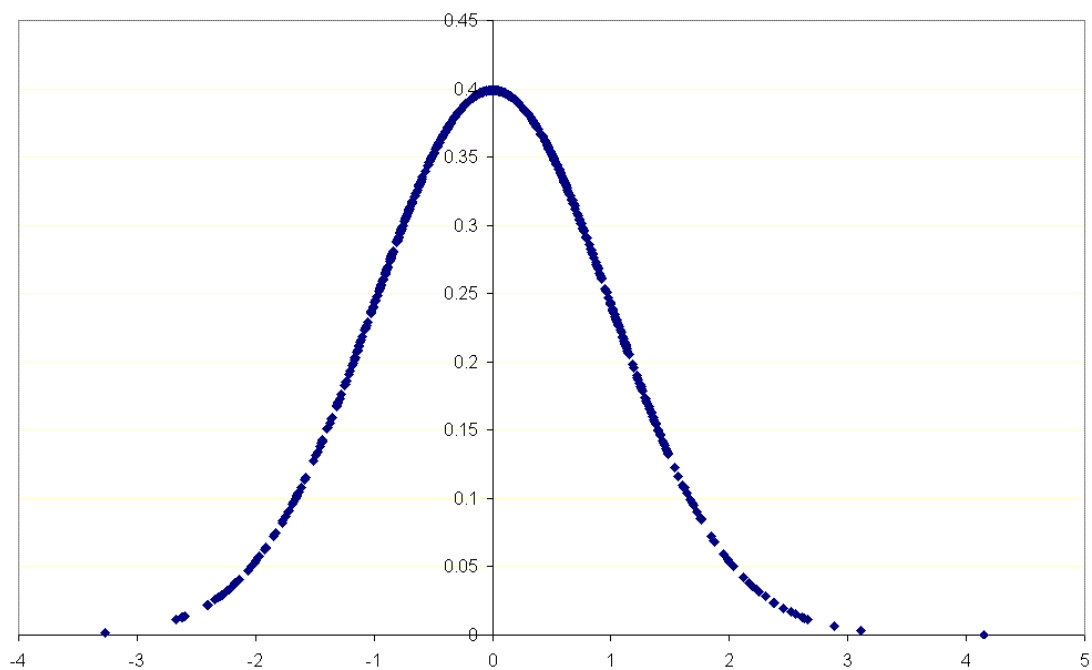
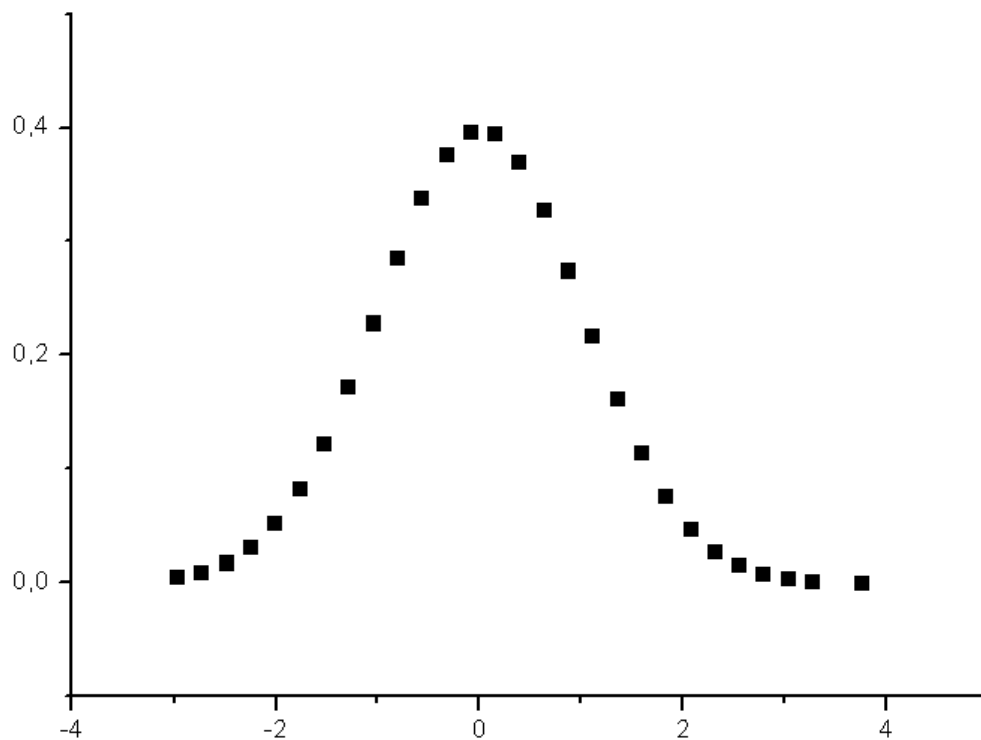
$y_{pov} = 1,78 \cdot 10^{-8}$
 $\sigma_{may} = 7,01 \cdot 10^{-5}$
 $\mu_{y} = 64,7$

Grafa u(y) (prvi Agxx.dat, drugi Ozadje.dat):



Grafa G(u) (prvi Agxx.dat, drugi Ozadje.dat):

■ g



3.

$$y_{\text{pov}} = -1,73 \cdot 10^{-5}$$

$$\text{sigmay} = 0,71$$

po integralu:

$$\text{sigmay} = ((\int (y - y_{\text{pov}})^2 dy) / N)^{1/2}$$

$$\text{sigmay} = 7,39 \cdot 10^{-4}$$