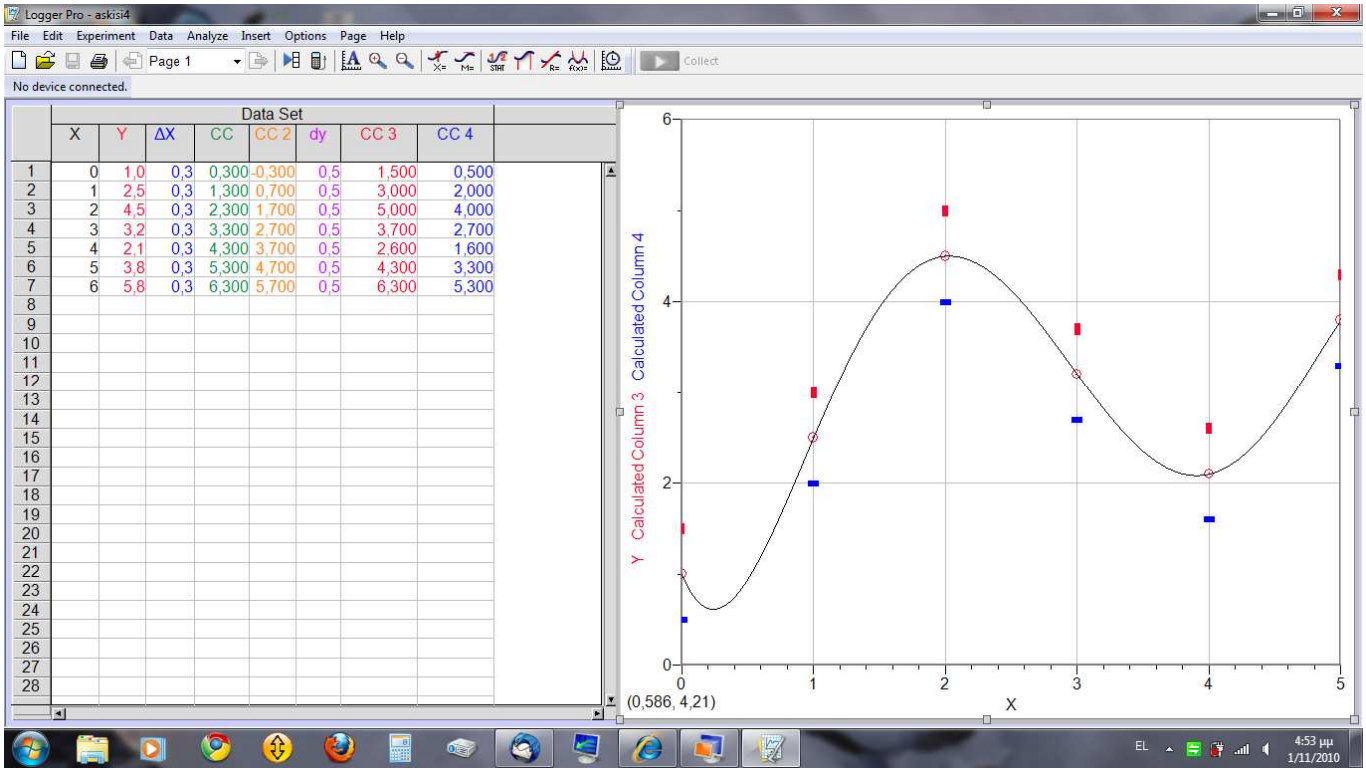
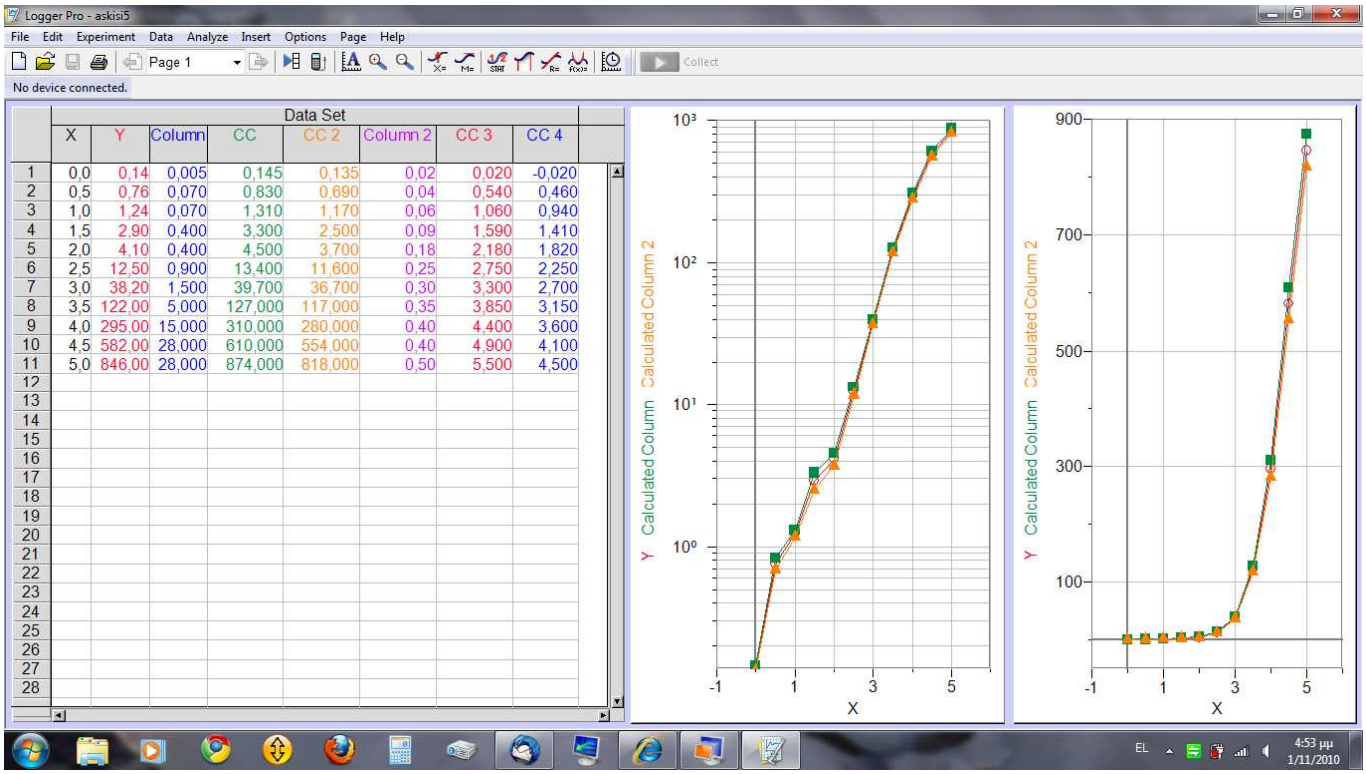
# Απαντήσεις στις ασκήσεις σφαλμάτων 2010

| | |
|---|---|
| Άσκηση 1 | |
| 4,16 | |
| 4,12 | |
| 4,14 | |
| 4,16 | |
| 4,18 | |
| 4,17 | |
| 4,155 | <T> |
| 0,021679483 | τυπ.απ. |
| 0,008850612 | τυπ.απ.μ.τ. |
| 0,009 | <δT> |
| 0,21 | (<δT>/<T>)*100 |
| | |
| Άσκηση 2α | (1ος τρόπος) |
| 493 | <A> |
| 8 | <δA> |
| 4,26 | <B> |
| 0,17 | <δB> |
| 0,037 | <C> |
| 0,003 | <δC> |
| 0,00303 | όλα τα ψηφία |
| | |
| Άσκηση 2β | (2ος τρόπος) |
| 0,037 | <C> |
| 0,003 | <δC> |
| 0,00324 | όλα τα ψηφία |
| | |
| Άσκηση 3α | |
| 14,0 | <Z> |
| 0,8 | <δZ> |
| | |
| Άσκηση 3β | |
| 11 | <Z> |
| 7 | <δZ> |


Logger Pro - askisi4
File Edit Experiment Data Analyze Insert Options Page Help
Page 1
Collect
No device connected.
Data Set
X Y ΔX CC CC 2 dy CC 3 CC 4
1 0 1,0 0,3 0,300 -0,300 0,5 1,500 0,500
2 1 2,5 0,3 1,300 0,700 0,5 3,000 2,000
3 2 4,5 0,3 2,300 1,700 0,5 5,000 4,000
4 3 3,2 0,3 3,300 2,700 0,5 3,700 2,700
5 4 2,1 0,3 4,300 3,700 0,5 2,600 1,600
6 5 3,8 0,3 5,300 4,700 0,5 4,300 3,300
7 6 5,8 0,3 6,300 5,700 0,5 6,300 5,300
Y Calculated Column 3 Calculated Column 4
X
(0,586, 4,21)
EL
4:53 μμ
1/11/2010


Logger Pro - askisi5
File Edit Experiment Data Analyze Insert Options Page Help
Page 1
Collect
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Data Set
X Y Column CC CC 2 Column 2 CC 3 CC 4
1 0,0 0,14 0,005 0,145 0,135 0,02 0,020 -0,020
2 0,5 0,76 0,070 0,830 0,690 0,04 0,540 0,460
3 1,0 1,24 0,070 1,310 1,170 0,06 1,060 0,940
4 1,5 2,90 0,400 3,300 2,500 0,09 1,590 1,410
5 2,0 4,10 0,400 4,500 3,700 0,18 2,180 1,820
6 2,5 12,50 0,900 13,400 11,600 0,25 2,750 2,250
7 3,0 38,20 1,500 39,700 36,700 0,30 3,300 2,700
8 3,5 122,00 5,000 127,000 117,000 0,35 3,850 3,150
9 4,0 295,00 15,000 310,000 280,000 0,40 4,400 3,600
10 4,5 582,00 28,000 610,000 554,000 0,40 4,900 4,100
11 5,0 846,00 28,000 874,000 818,000 0,50 5,500 4,500
Y Calculated Column Calculated Column 2
X
Y Calculated Column Calculated Column 2
X
EL
4:53 μμ
1/11/2010