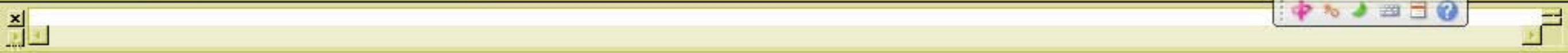




	A(X)	B(Y)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		



Name	Type
Datal	Worksheet





	A(X)	B(Y)
1	0.5	16
2	1	31.9
3	1.5	47.2
4	2	62.9
5	2.5	78.4
6	3	94
7	3.5	109.5
8		
9		
10		

Worksheet Column Format

<< Prev Next >> OK Cancel

Column Name: m

Enumerate all to the right

Options

Plot Designation: X

Format: Text & Numeric

Display: Decimal:1000

Numeric Display: Default Decimal Digits

Apply to all columns to the right

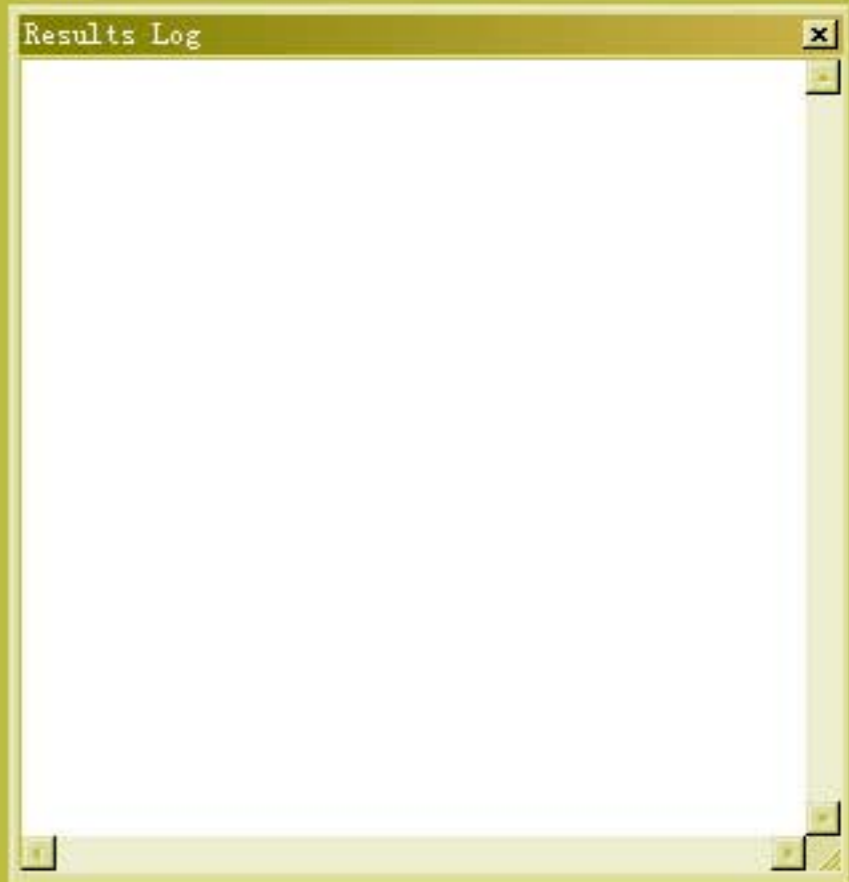
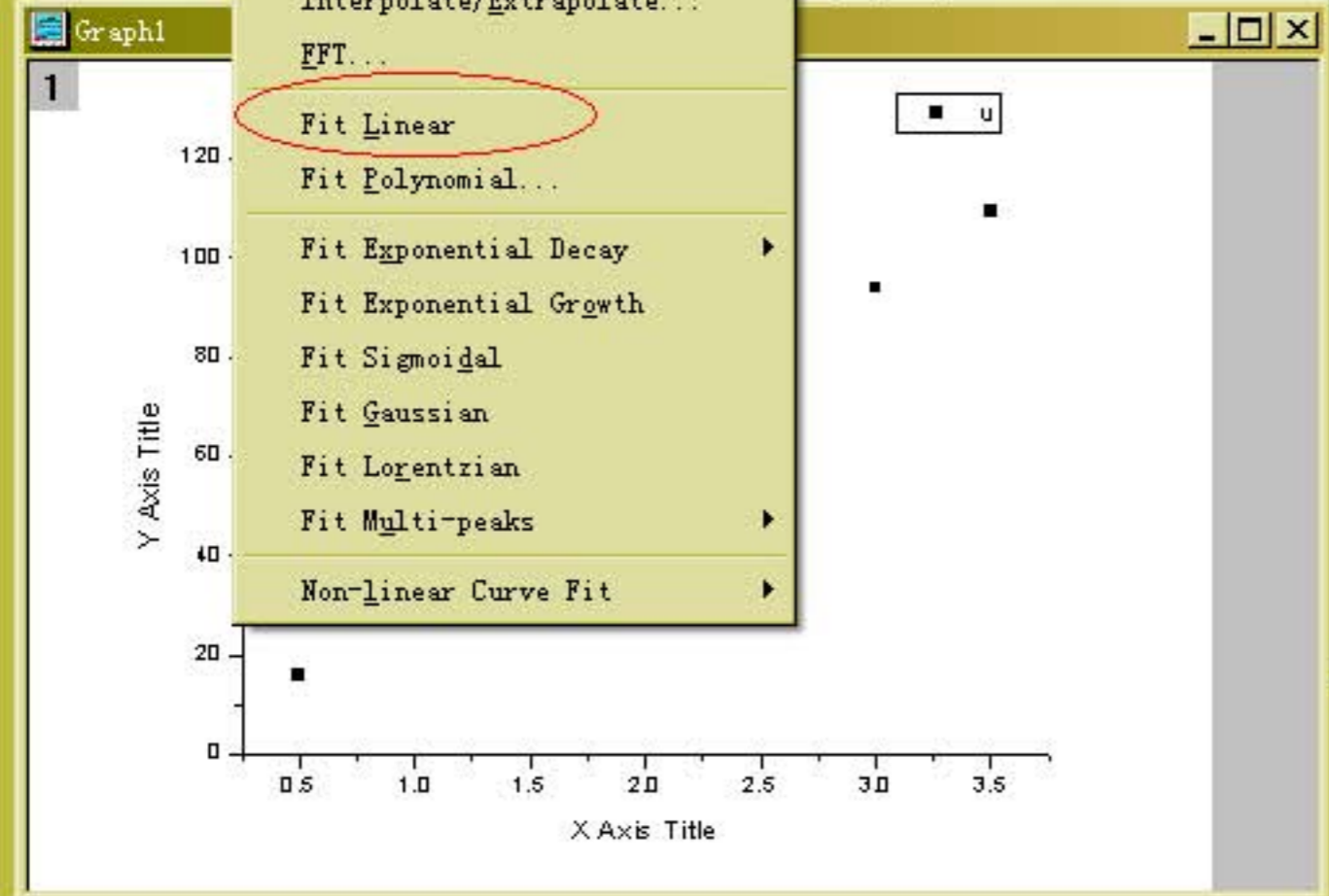
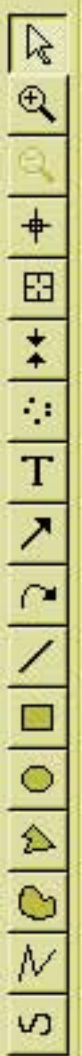
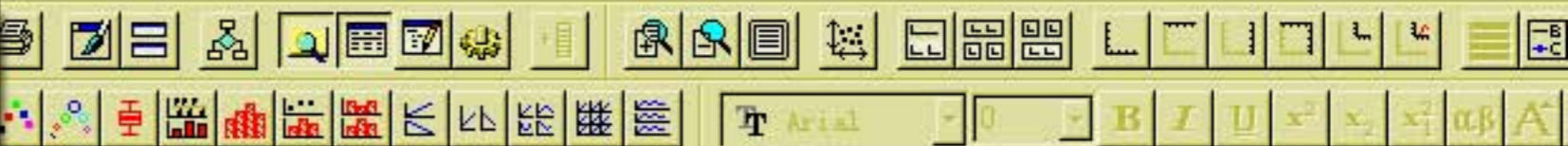
Column Width: 8 Apply to all

Column Label: Cut Copy Paste Undo

Name	Type
Datal	Worksheet

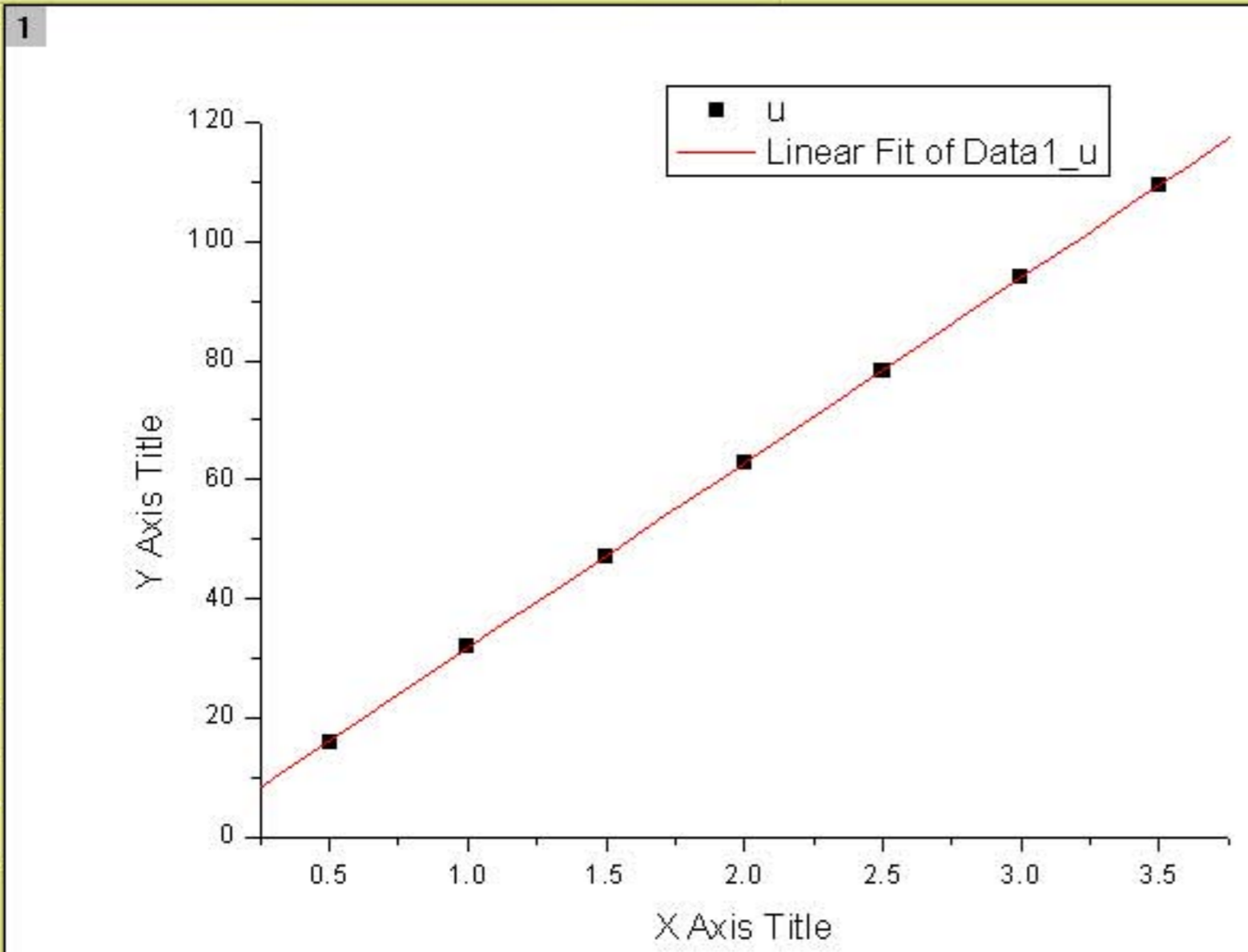


- Simple Math...
- Smoothing
- FFT Filter
- Calculus
- Subtract
- Translate
- Average Multiple Curves
- Interpolate/Extrapolate...
- FFT...
- Fit Linear**
- Fit Polynomial...
- Fit Exponential Decay
- Fit Exponential Growth
- Fit Sigmoidal
- Fit Gaussian
- Fit Lorentzian
- Fit Multi-peaks
- Non-linear Curve Fit



Name	Type
Graph1	Graph
Datal	Worksheet





Results Log

[2007-7-16 10:50 "/Graph1" (2454297)]

Linear Regression for Data1_u:
 $Y = A + B * X$

Parameter	Value	Error
A	0.57143	0.09872
B	31.13571	0.04415

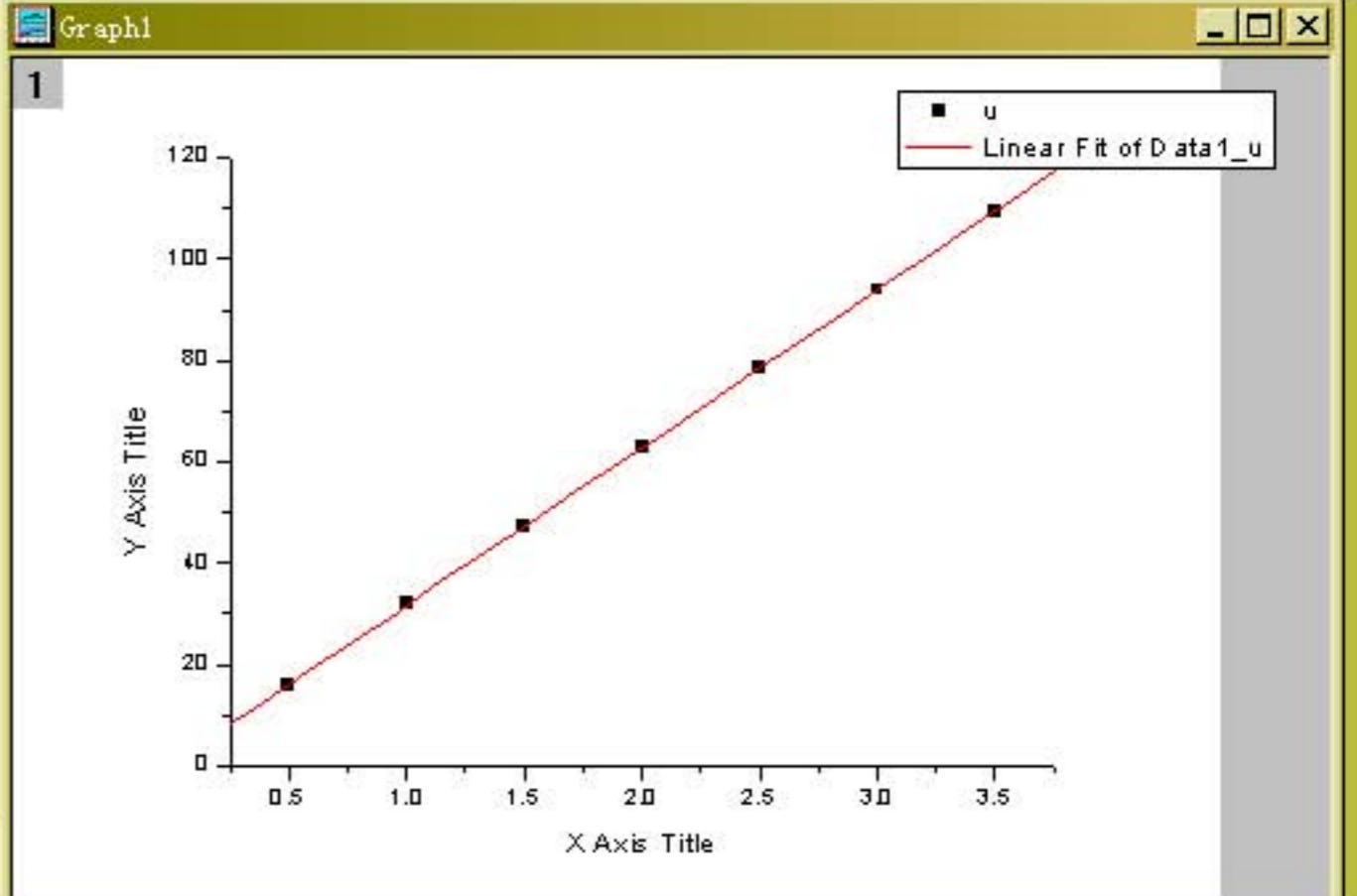
R	SD	N	P
0.99999	0.1168	7	<0

Name	Type
Graph1	Graph
Data1	Worksheet





	m(X)	u(Y)
1	0.5	16
2	1	31.9
3	1.5	47.2
4	2	62.9
5	2.5	78.4
6	3	94
7	3.5	109.5
8		
9		
10		
11		
12		
13		
14		
15		



Name
LinearFit1
Graph1
Datal

[2007-7-16 16:23 "/Graph1" (2454297)]
 Linear Regression for Data1_u:
 $Y = A + B * X$

Parameter	Value	Error
A	0.57143	0.09872
B	31.13571	0.04415

R	SD	N	P



参数	含义	参数	含义
A	截距及其标准偏差 S_a	P	R 为 0 的概率
B	斜率及其标准偏差 S_b	N	数据点数
R	相关系数	SD	回归标准差

表中的标准差定义为

$$SD = \sqrt{\frac{\sum_i^N [Y_i - (A + BX_i)]^2}{N - 2}}$$