

# FOR THE

app at a time.

Celebrate the Earth



Candy Crush Soda Saga Games



SimCity BuildIt Games

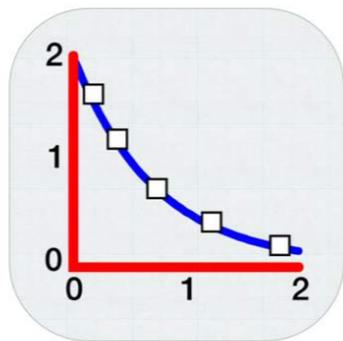
Have Fun Helping the



Angry Birds 2



VSCO



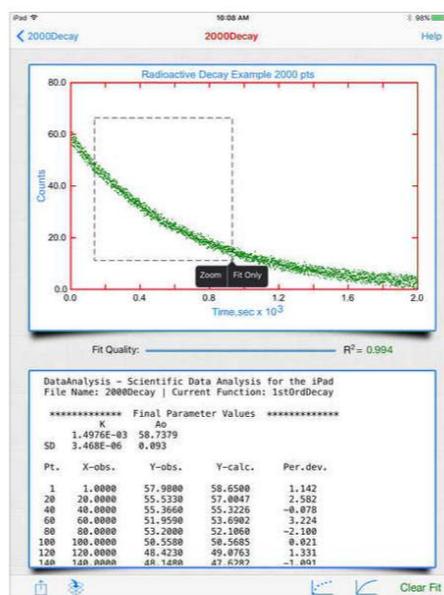
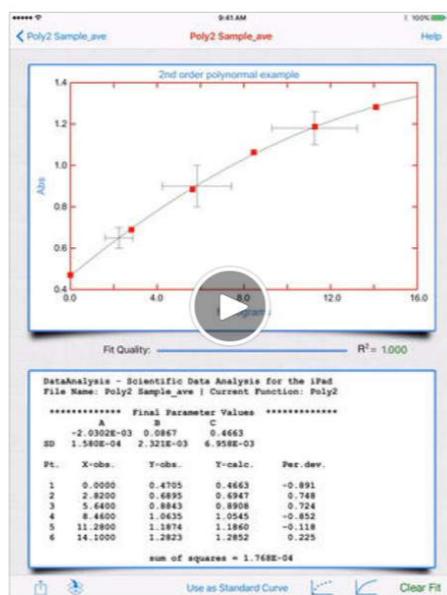
DataAnalysis 4+  
Data Evaluation Systems >

OPEN

Details

Reviews

Related



Graph Title:	Sample Decay Curve
File Name:	Decay Sample
1	0 100
2	5 89.73
3	10 72.11
4	15 67.44
5	20 59.9
6	25 50.68
7	30 44.59
8	35 39.99
9	40 33.84
10	45 27.75
11	50 24.17
12	55 21.72
13	60 19.87
14	65 15.98
15	70 14.51
16	75 12.88
17	80 11.12
18	85 9.11
19	90 8.53
20	95 7.35

Description

# Use of DataAnalysis app

Jan 2016 Ang JL@nygh



**Download free app**

**DataAnalysis**

by Data Evaluation Systems

<https://appsto.re/sg/Rk0yw.i>

Graph Title: Graph of R against length

Number of Points: 3

File Name: PR9 graph class name

Last Modified: Apr 17, 2016

	x	R / ohm
1	0.11	0.22
2	0.23	0.53
3	0.425	1.32
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		

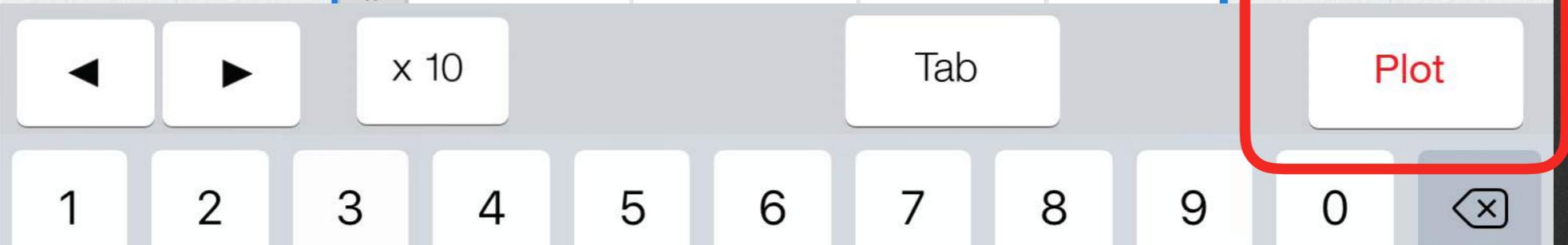
Indicate your class & name

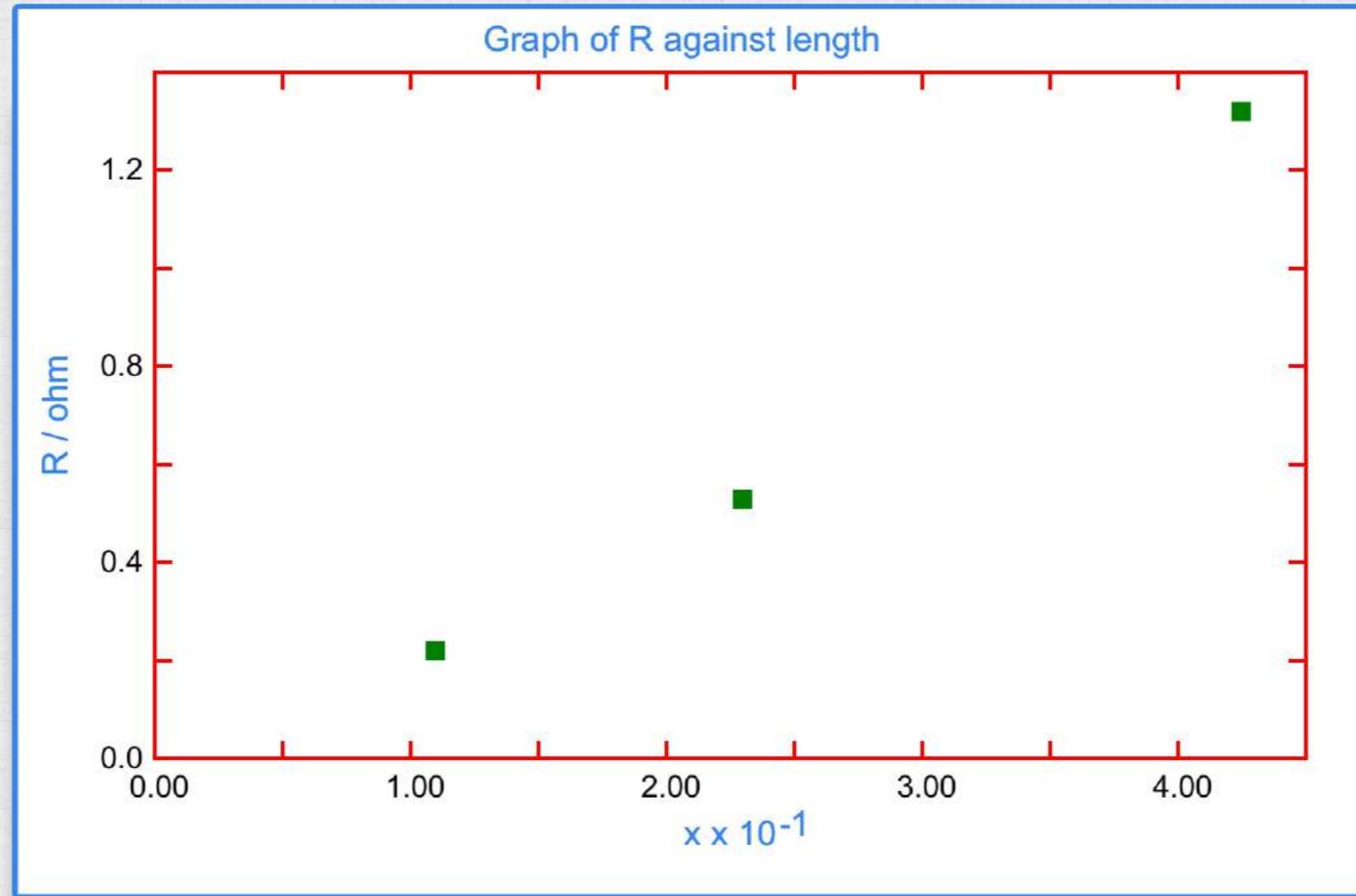
Indicate header with units

Key in x values in the first column

Plot the points

Plot





Fit Quality: \_\_\_\_\_ R<sup>2</sup> = 0

Current Parameters Number of Data Points: 3

m

b

Current Function: Linear

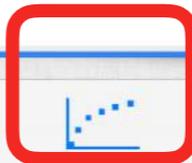
$$y = mx + b$$

Least-Squares Algorithm

Marquardt Newton

Cycles: 10

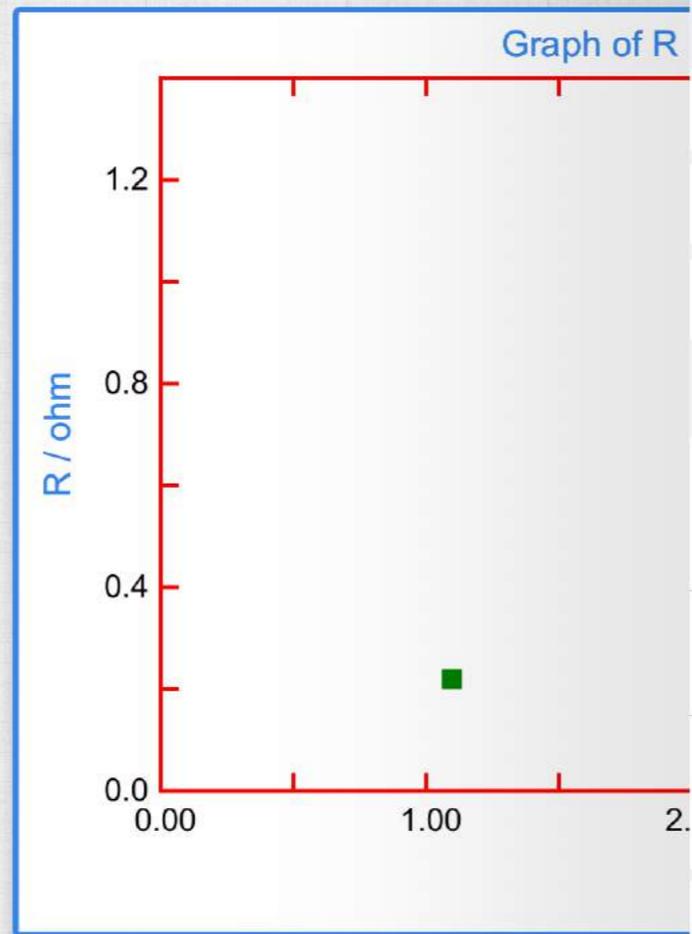
Graph options



Test Parameters



Fit



### Graph Options

Help

Connect Points

Force X axis to zero

Force Y axis to zero

None



Symbol Size:

X Label:

Y Label:

Title:

Fit Quality:

### Current Parameters

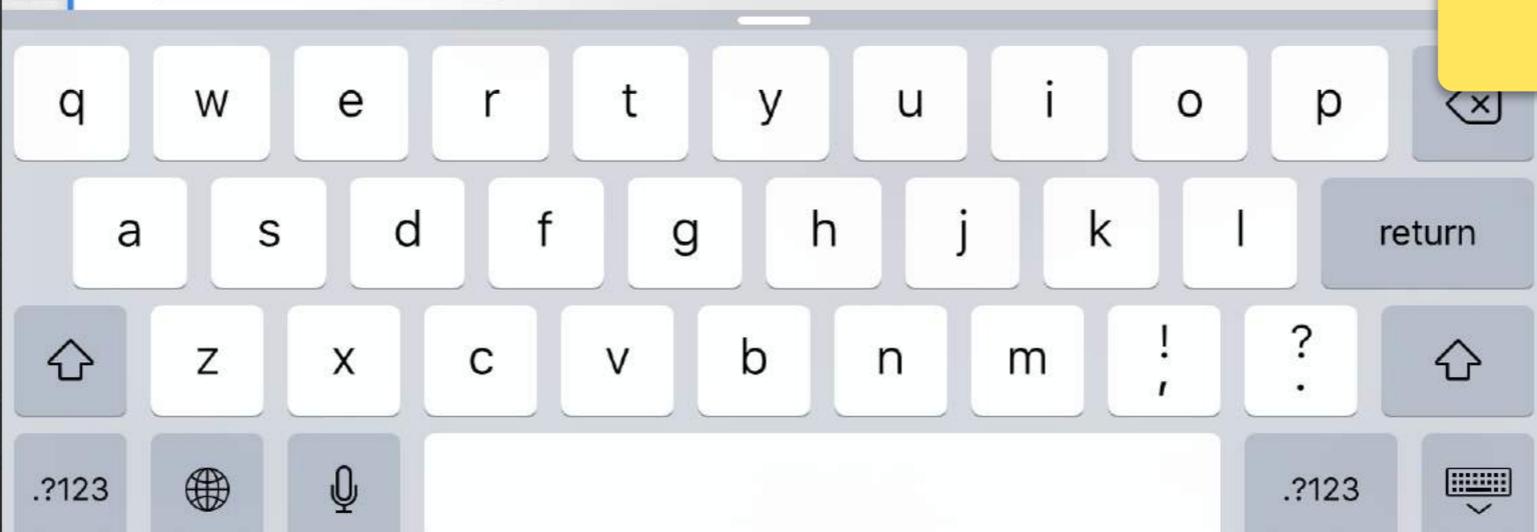
Number of Data Points

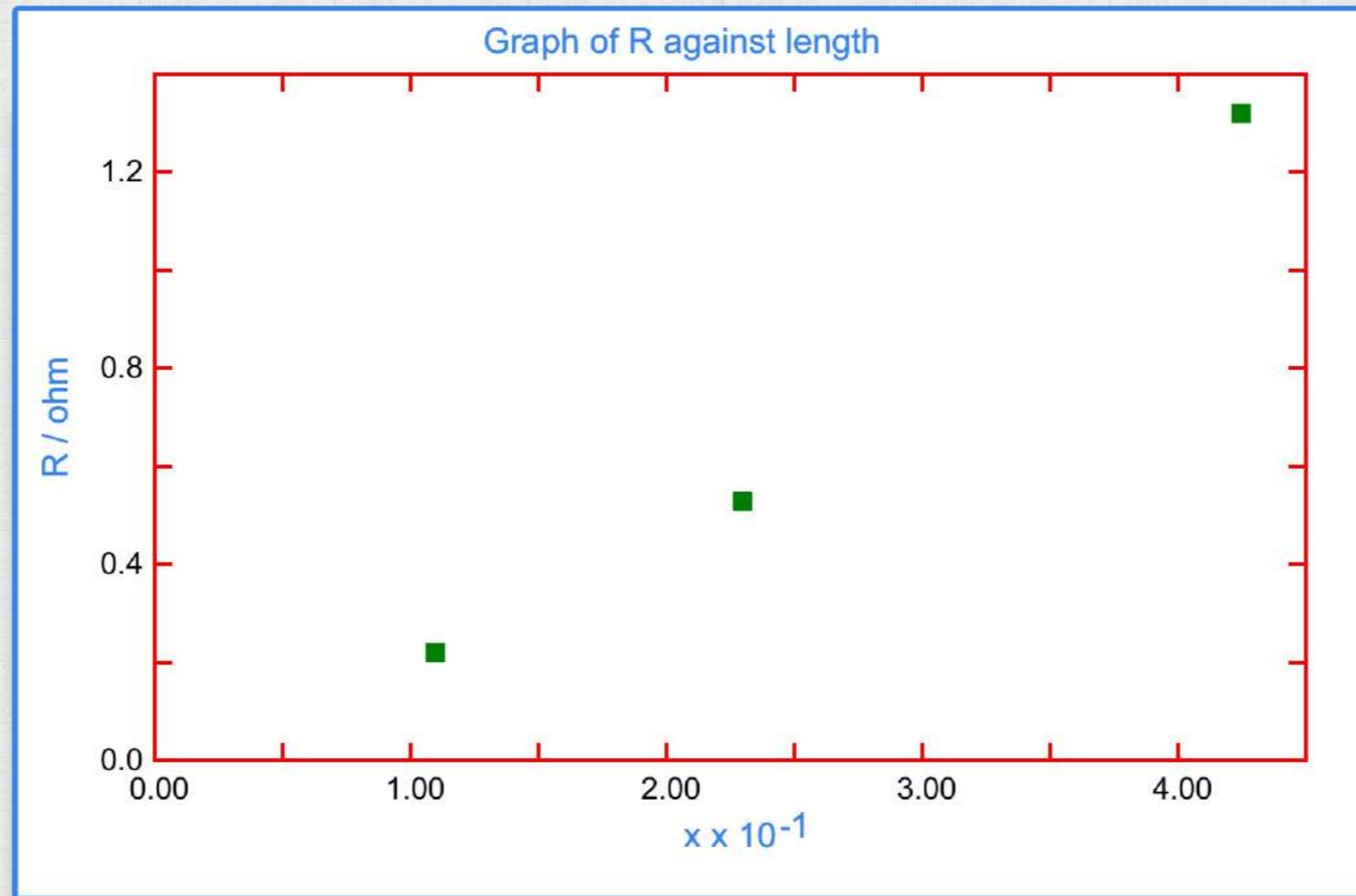
m

b

Check origin is shown on graph

Check axes labels with units





Fit Quality:  R<sup>2</sup> = 0

Current Parameters    Number of Data Points: 3

m

b

Current Function: Linear

$y = mx + b$

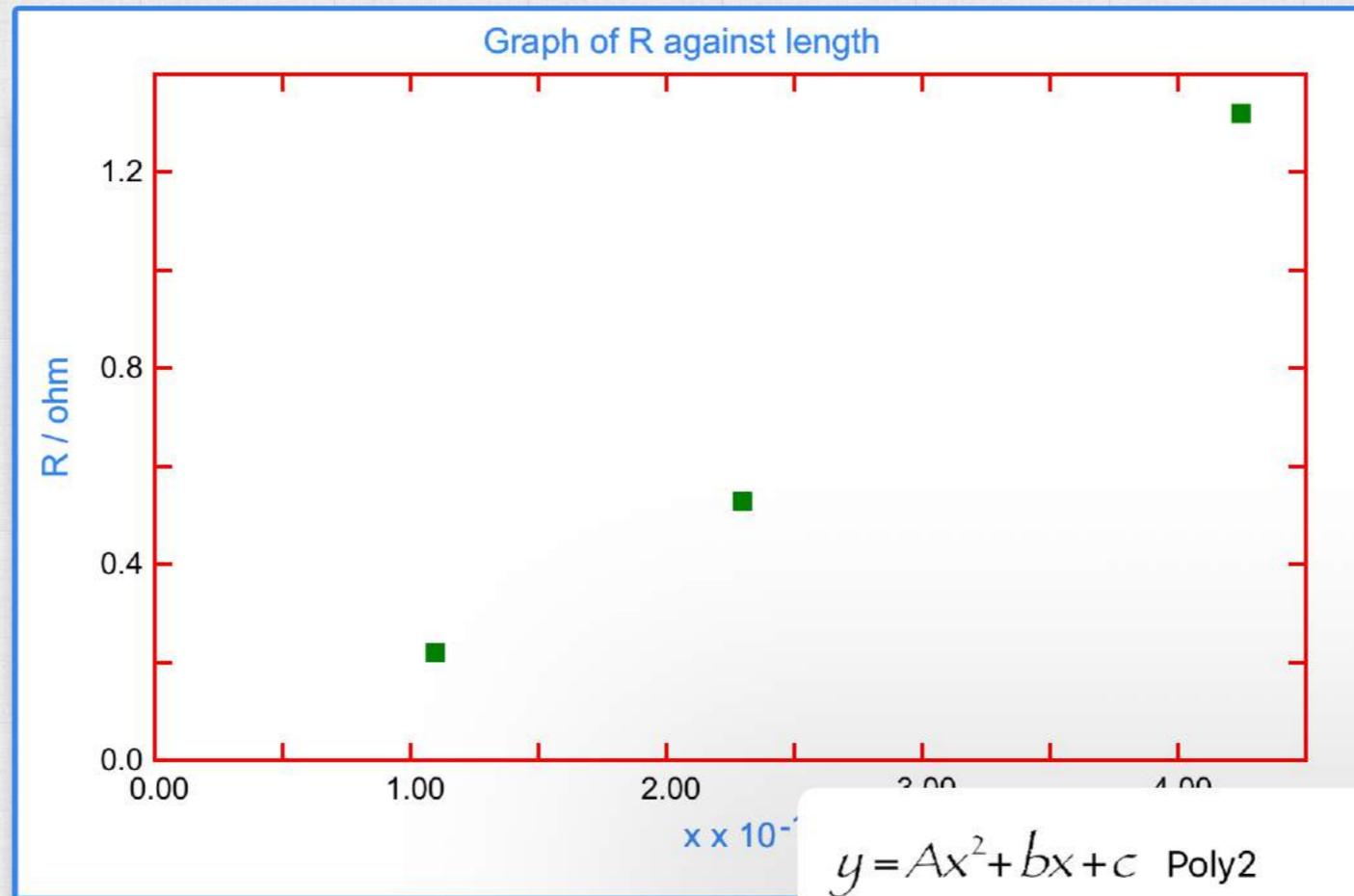
Least-Squares Algorithm

Marquardt    Newton

Cycles:

Type of graph





Select linear graph

Fit Quality: \_\_\_\_\_

Current Parameters    Number of Data Points: \_\_\_\_\_

m

b

Current Function: Linear

$$y = mx + b$$

Cycles: \_\_\_\_\_

- $y = Ax^2 + bx + c$  Poly2
- $y = Ax^2 + bx$  PolyAB
- $y = mx + b$  Linear ✓
- $y = Ax^3 + bx^2 + cx + d$  Poly3
- $y = A + B \log(x)$  Log
- $y = Ax^B$  Power

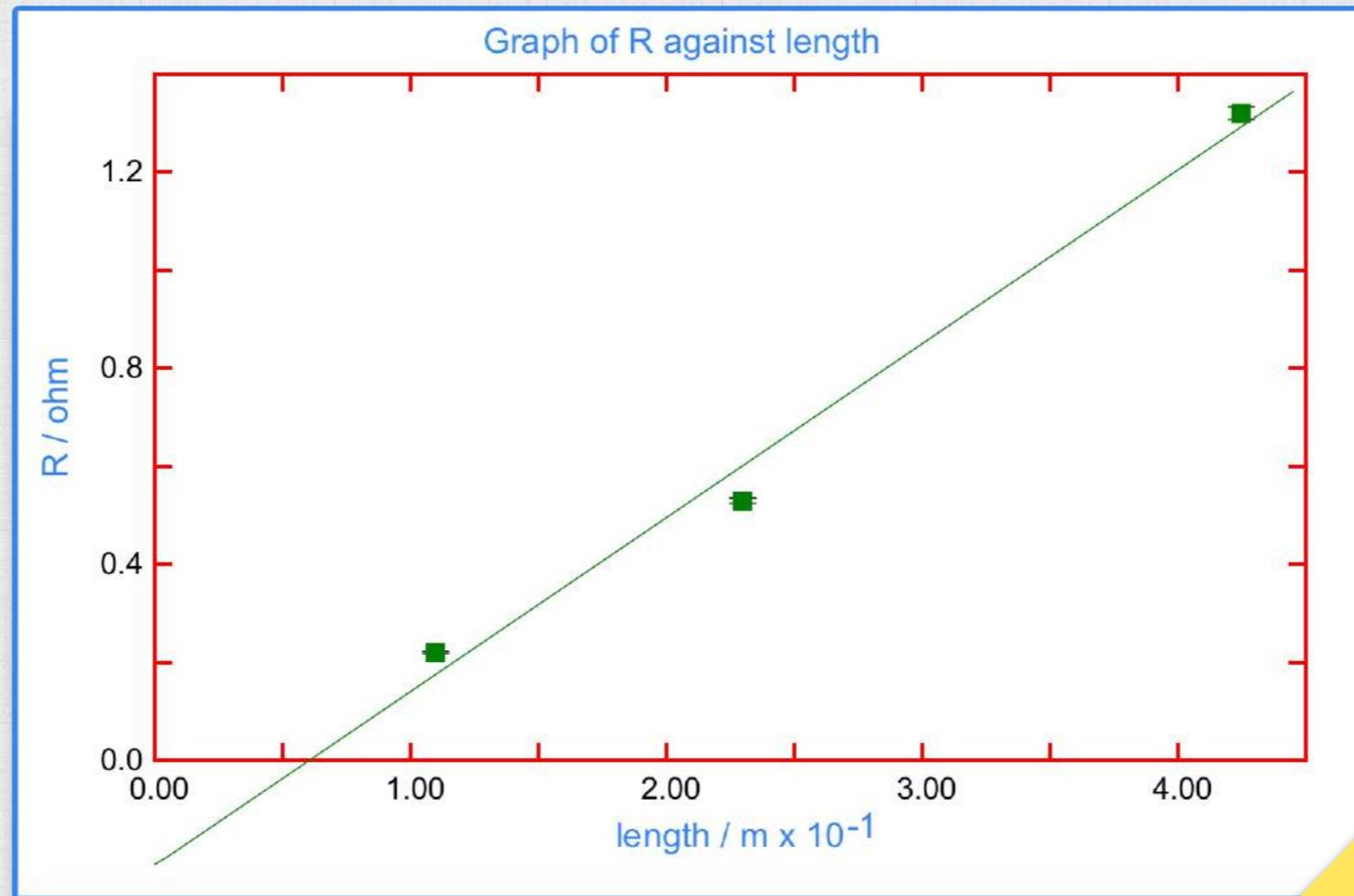
Plot the graph



Test Parameters



Fit



For linear graph

Fit Quality: ————— R<sup>2</sup> = 0.988

DataAnalysis - Scientific Data Analysis for the iPad  
 File Name: PR9 graph class name | Current Function: Linear

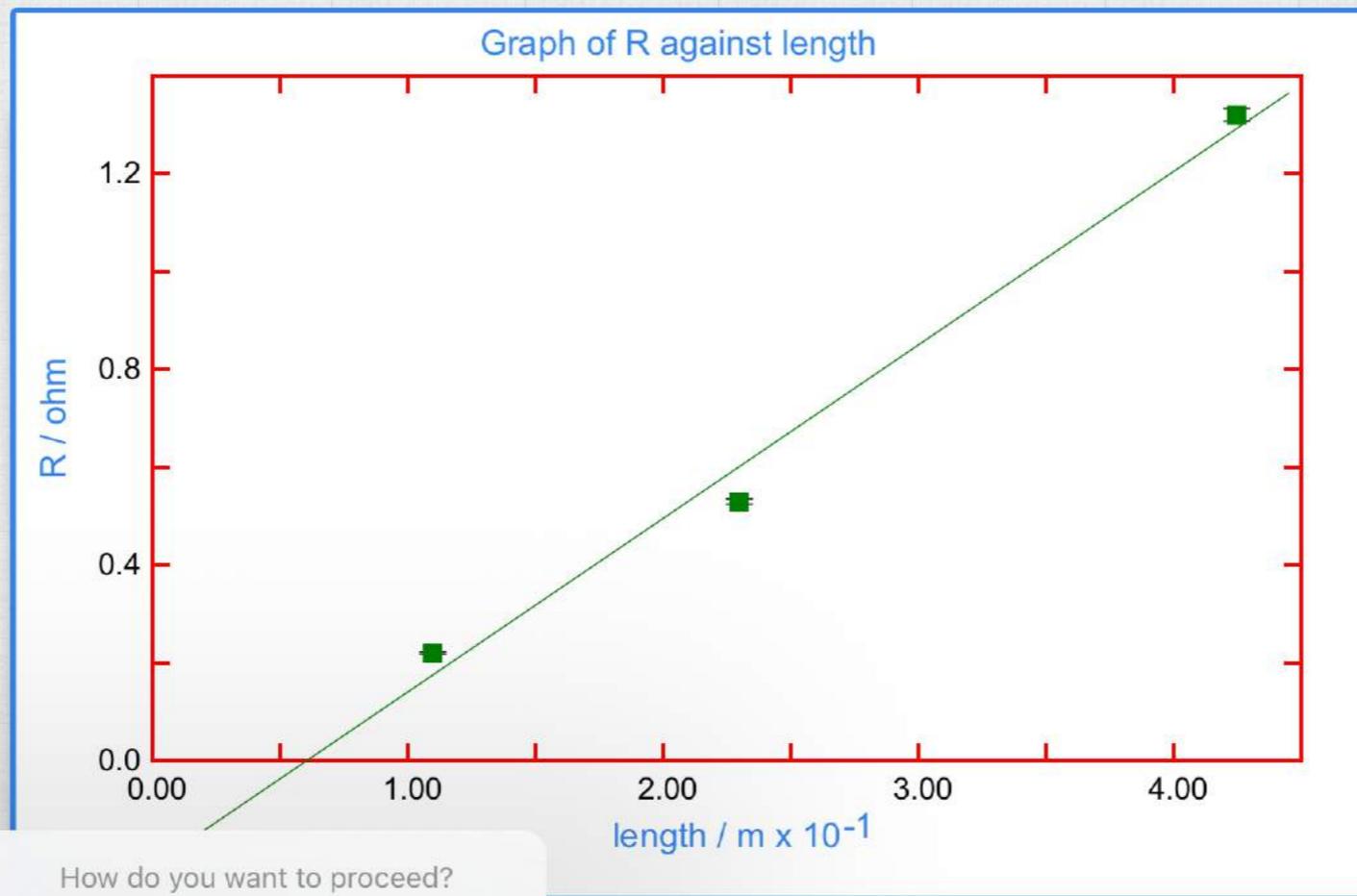
\*\*\*\*\* Find Parameter Values \*\*\*\*\*

	m	b
Linear	3.5460	-0.2142
Std. Error	0.392	0.112

Pt.	X-obs.	Y-obs.	Y-calc.	Per.dev.
1	0.1100	0.2200	0.1758	-25.118
2	0.2300	0.5300	0.6014	11.865
3	0.4250	1.3200	1.2928	-2.103

sum of squares = 7.781E-03  
 variance = 7.781E-03  
 Coefficient of determination (R<sup>2</sup>) = 0.988

Value of constants in  $y = mx + b$



How do you want to proceed?

Email results

Print results

Email graph as pdf

Email graph as png

Save graph to Photos

Print graph

Copy graph

R<sup>2</sup> = 0.988

Data Analysis for the iPad  
name | Current Function: Linear

Parameter Values \*\*\*\*\*

Y-calc.	Per.dev.
0.1758	-25.118
0.6014	11.865
1.2928	-2.103

squares = 7.781E-03  
variance = 7.781E-03  
coefficient of determination (R<sup>2</sup>) = 0.988

Export the graph



Use as Standard Curve



Clear Fit

Cancel

DataAnalysis Output

Send

To:



Cc/Bcc, From: ang\_joo\_liak@nygh.edu.sg

Subject: DataAnalysis Output

**Email graph  
to someone**

Here is the file PR9 graph class name.pdf from the iPad App DataAnalysis



PR9 graph...ss name.pdf

Sent from my iPad



q

w

e

r

t

y

u

i

o

p

