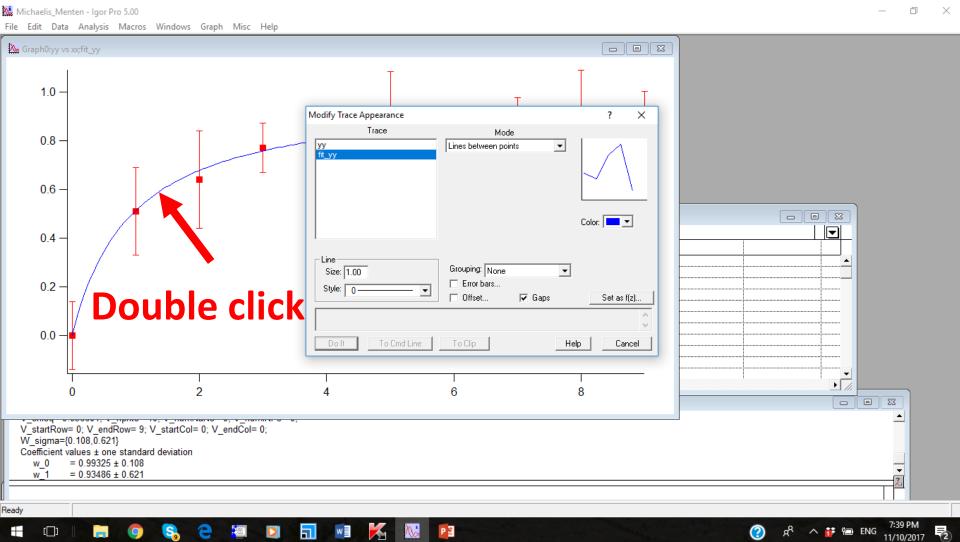
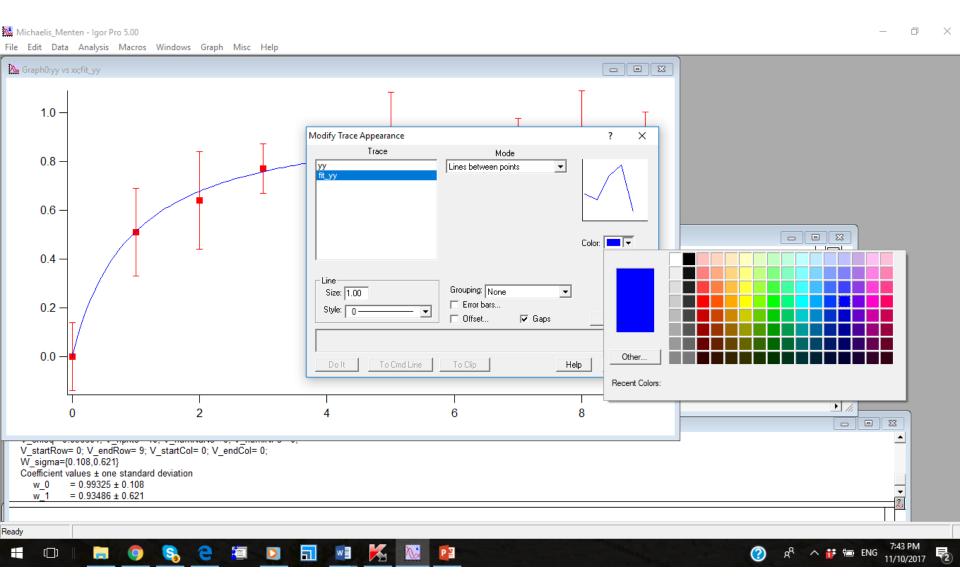
# Making figures using Igor

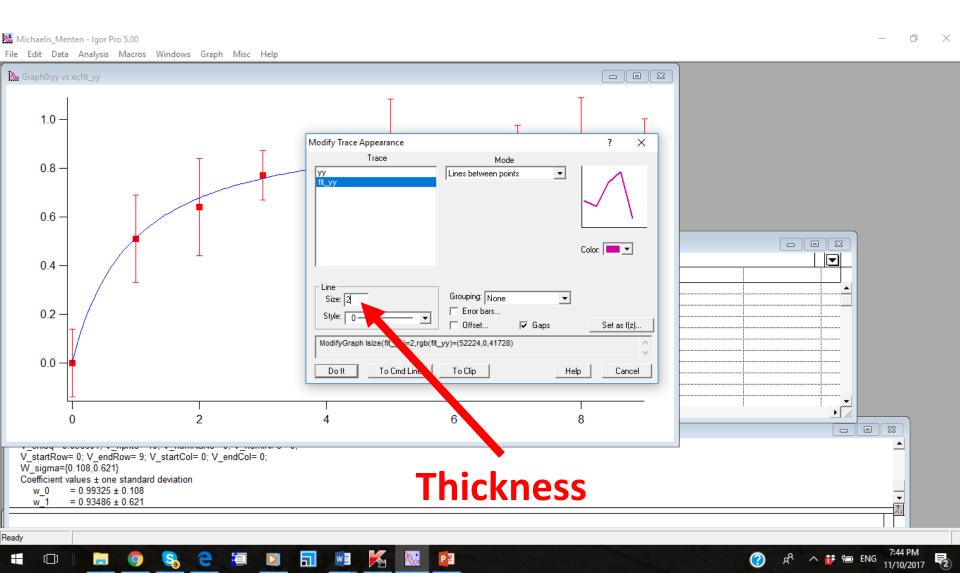
# To modify the appearance of any trace (data) in a figure, just double click on the trace. The menu that appears is called Modify Trace Appearance.



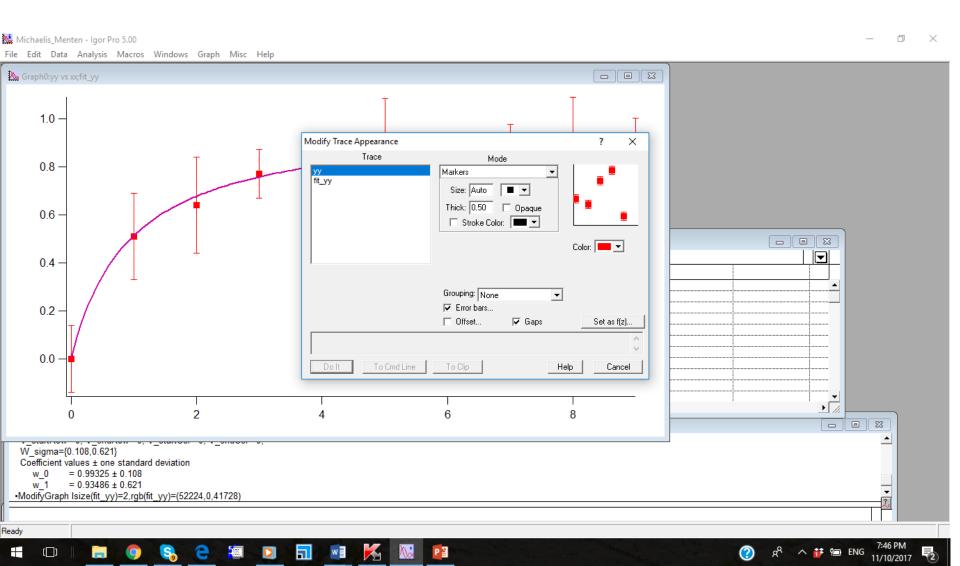
## You can change the color, thickness and even the Style of the line.



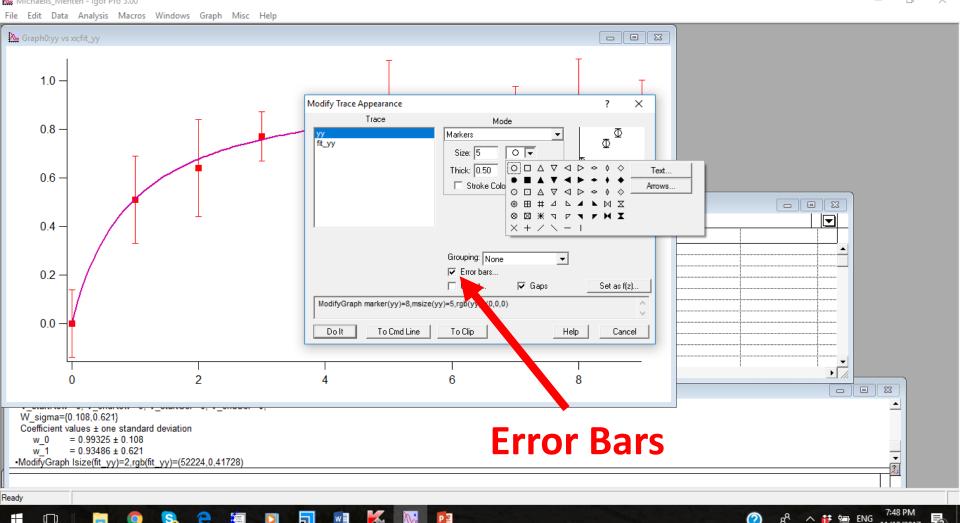
# Here we will make the fitted curve thicker (2) and color it purple. Then click Do It.



## Next we click on one of the data points. We can change the color and the type of marker.



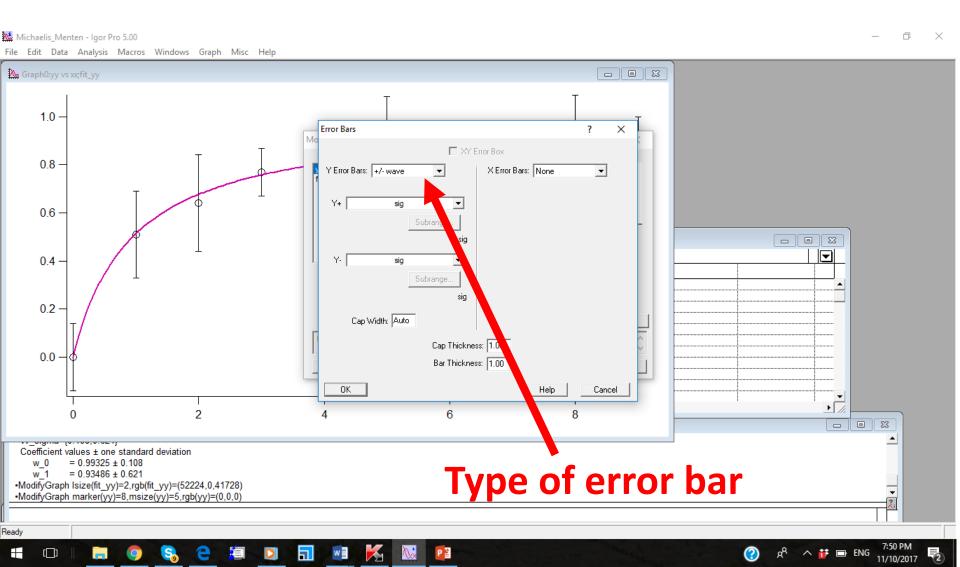
#### Here we changed the color to black (as before) and The size to 5. You can see the menu selections for Style of Marker. We selected open circle. Then Do It. 🐝 Michaelis\_Menten - Igor Pro 5.00



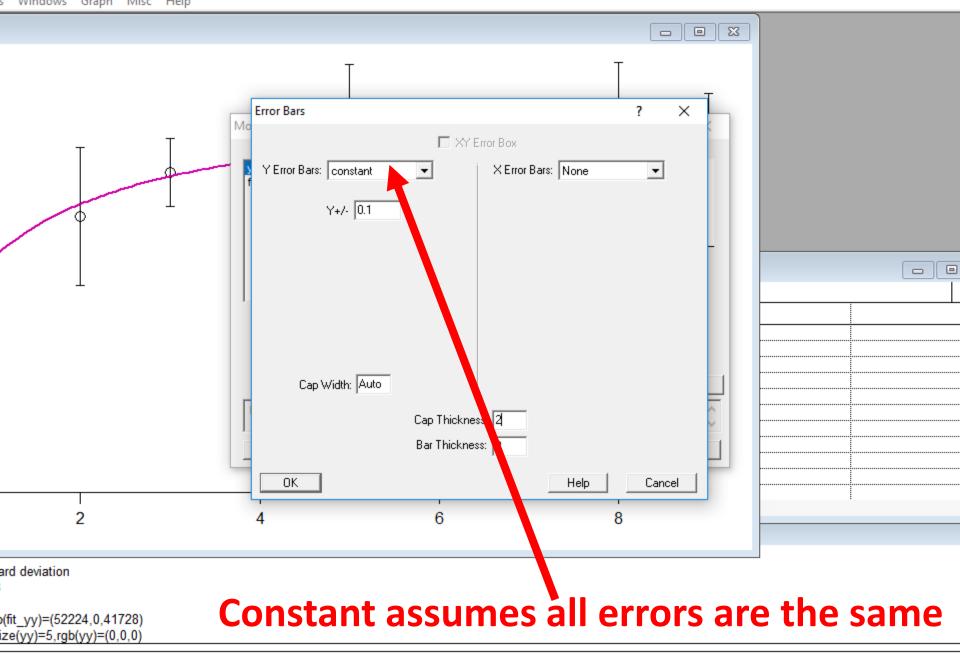
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# We click on the error bar box (see previous slide) and the Error Bar menu appears.



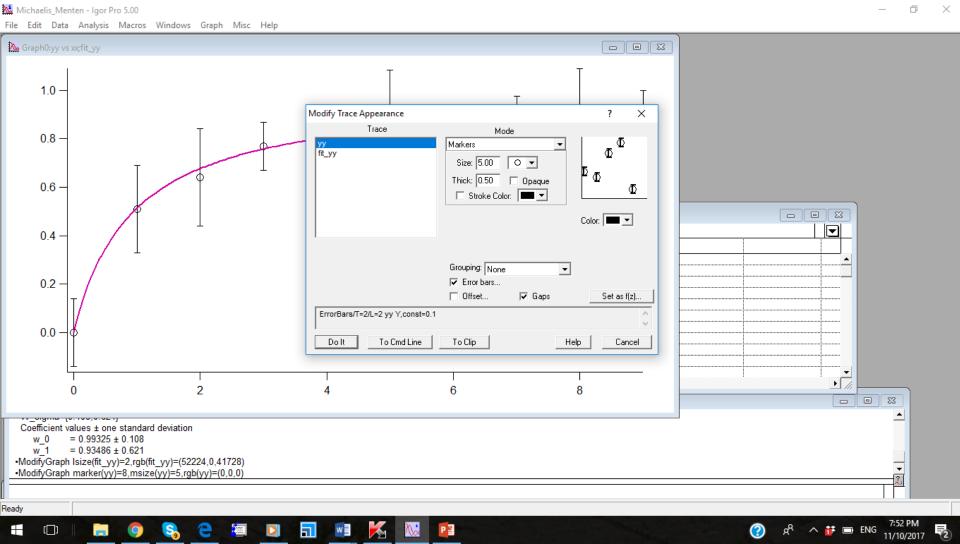






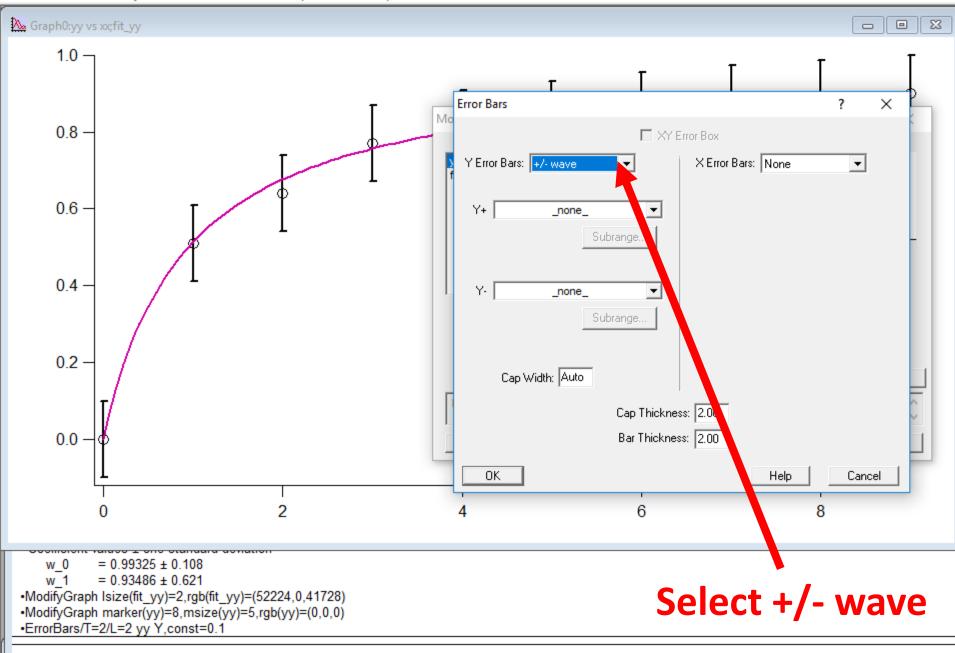


## Now it is all set up. Click Do It. Look on the next slide to see how we can change it back to individual errors using a file. The error wave is called "sig".



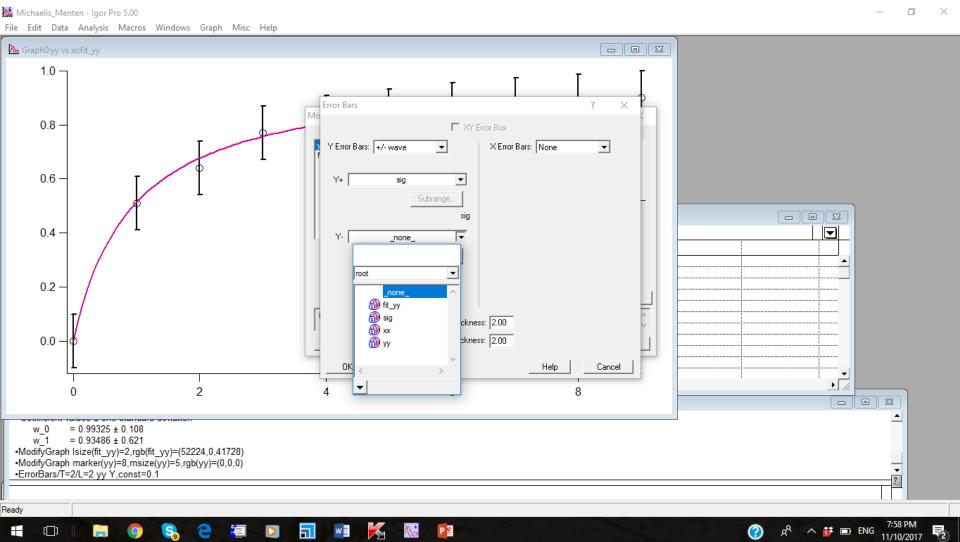
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Ready

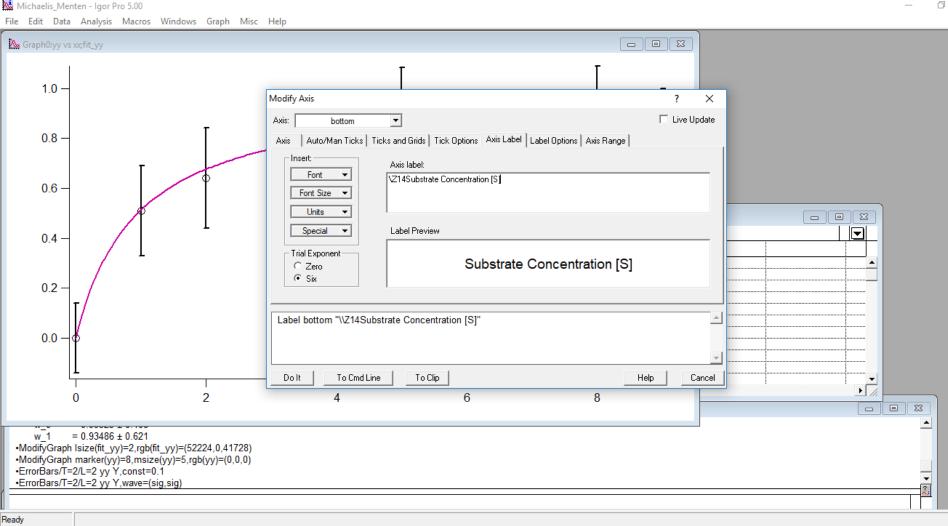
#### Note that we have to make the error wave. Using the experimental data enter the errors and give the data file (wave) a name. I called it sig. Then Do It.



## If you click on the plot boundary (i.e. the lines defining the x and y axis) you will see the Modify Axis menu. You can change many things here.

iile Edit Data Analysis Macros Windows Graph Misc	Modify Axis		
	Axis: bottom	f X	
0.8 -	Axis Auto/Man Ticks Ticks and Grids Tick Options Axis Label Label Options Axis		
0.6 -	Insert:  Axis label:    Font Size		
0.4 -	Trial Exponent C Zero • Six		- -
0.2 -	NO DIR		
0.0 - 0			
	Dolt To Cmd Line To Clip	Help Cancel	
0 2	4 6 8		
w_1 = 0.93486 ± 0.621 •ModifyGraph Isize(fit_yy)=2.rgb(fit_yy)=(52224,0,41728) •ModifyGraph marker(yy)=8,msize(yy)=5,rgb(yy)=(0,0,0) •ErrorBars/T=2/L=2 yy Y,const=0.1 •ErrorBars/T=2/L=2 yy Y,wave=(sig,sig)			
eady		0 Å ^ # =	7:59 PM

### To put in a label you can type the information into the Axis Label window. Note that the Inserts are on the left for Font Size etc.



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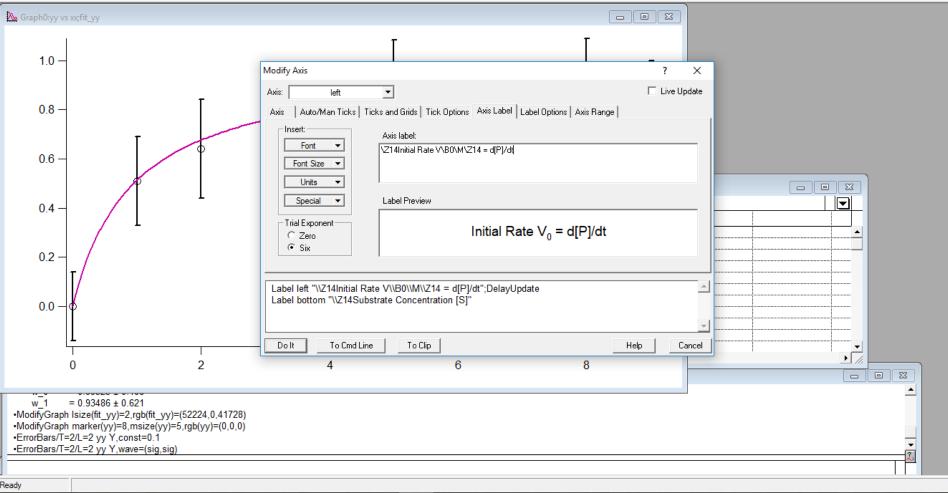
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## You can also type \Z14 for size 14 font. Then \B for subscript and \M for return to normal and then \Z14 again to make sure that the font is size 14.

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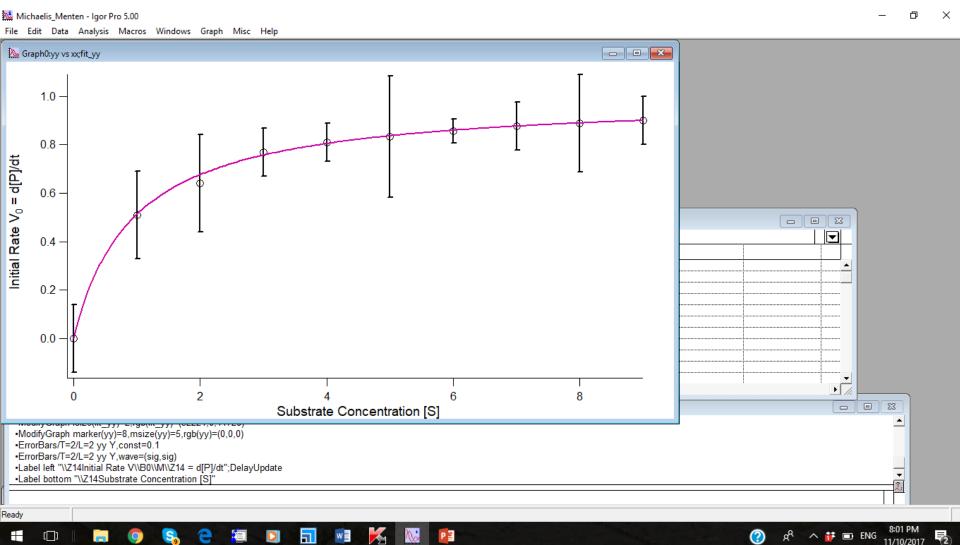


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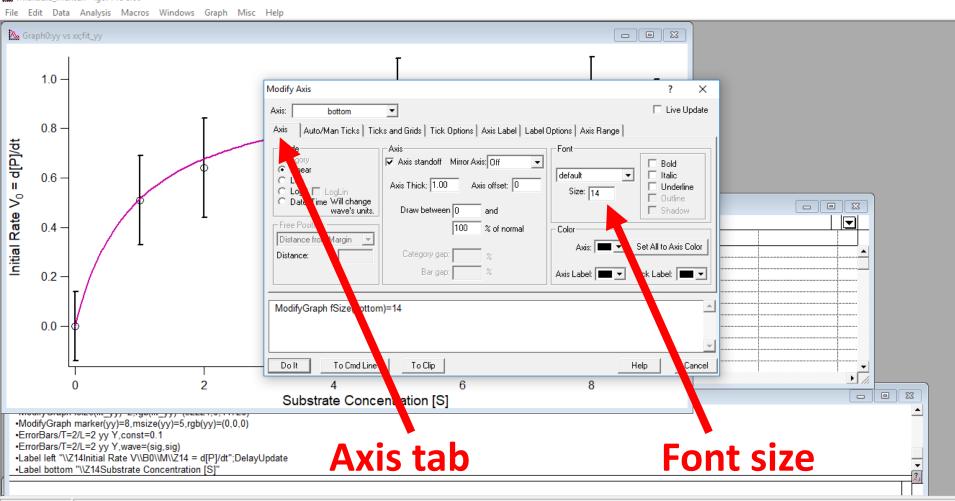
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## Do It. Now you see what the labels look like. You can learn the syntax using the Insert buttons. For example, \S is superscript.



## Now the Axis numbers look a bit small. Let's change Those to size 14 font as well. We click on the axis (anywhere) and get the menu back. Select Axis.



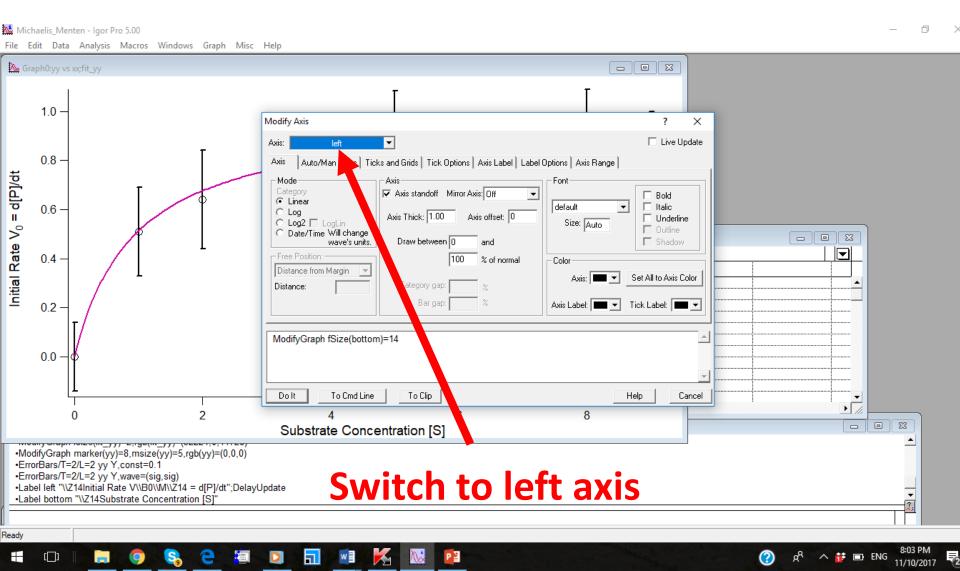
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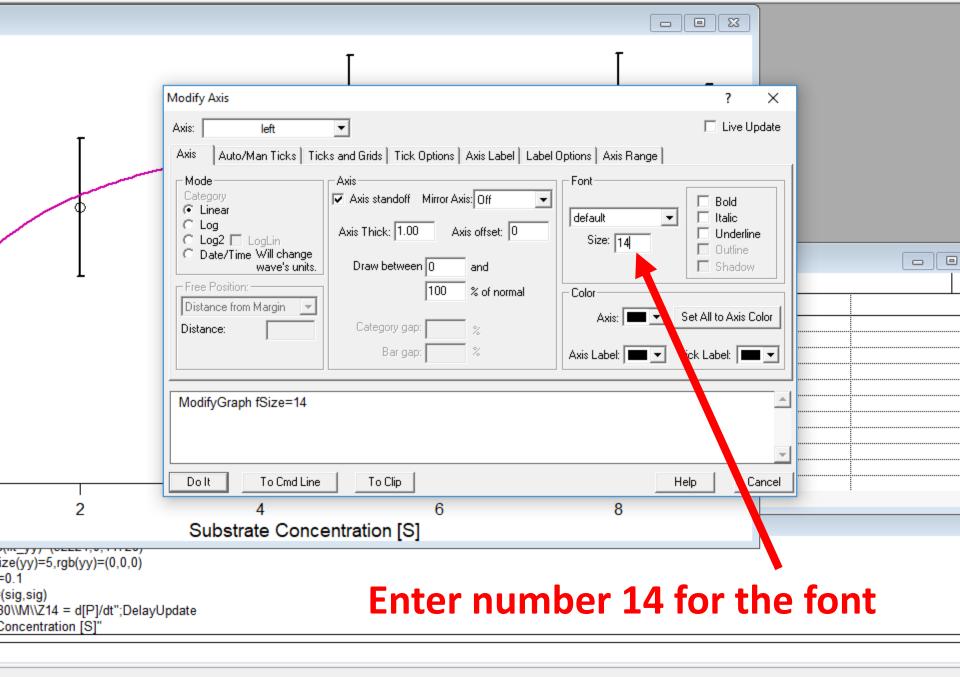
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#### Now change from the bottom axis to the left axis.





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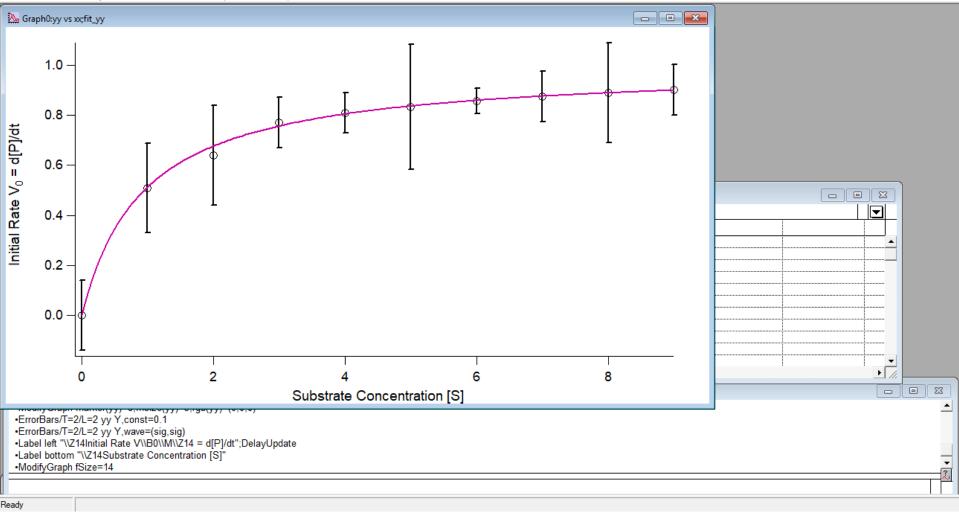


#### After clicking Do It you see a graph that has size 14 font. The default is size 12. Even larger font can good for small figures.

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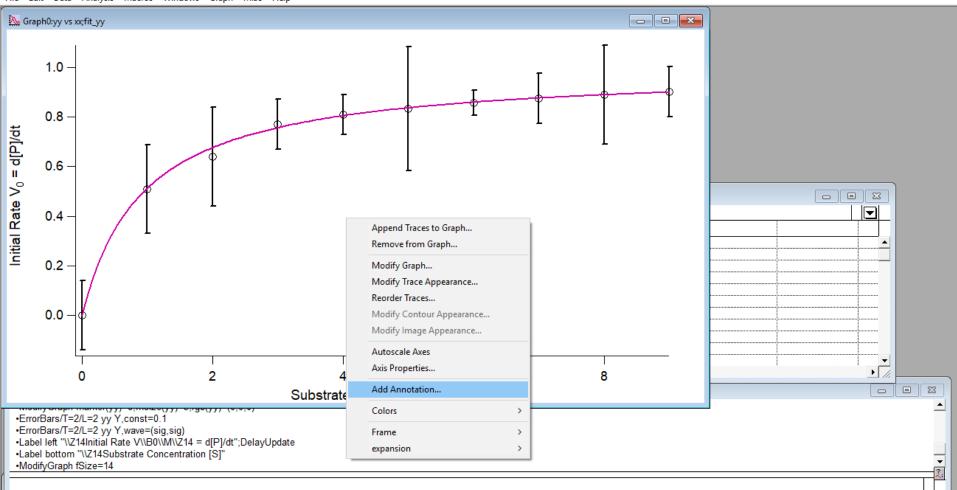
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#### Click anywhere in the figure (not on the data) to get a menu that allows you to do a number of things. One of this is Add Annotation.

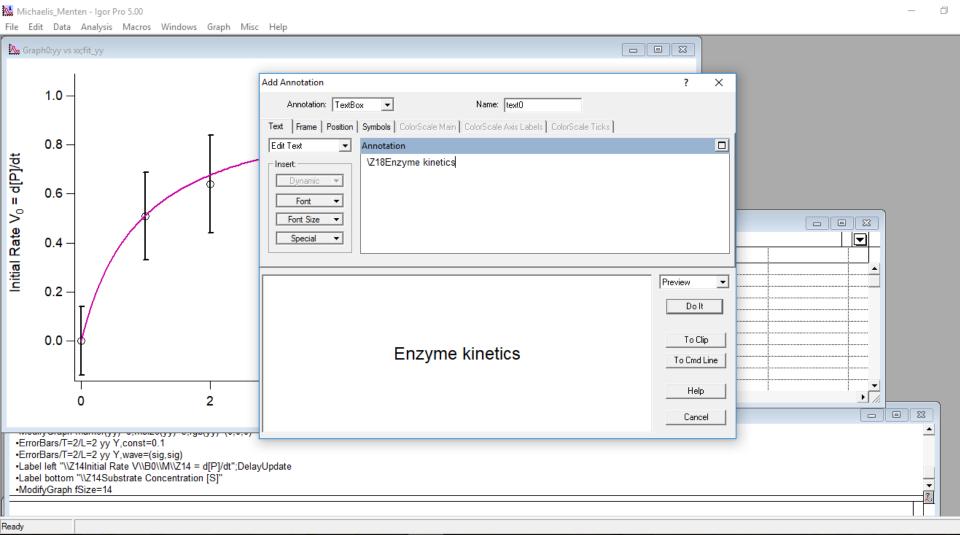
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#### Here we put in Enzyme kinetics in size 16 font.



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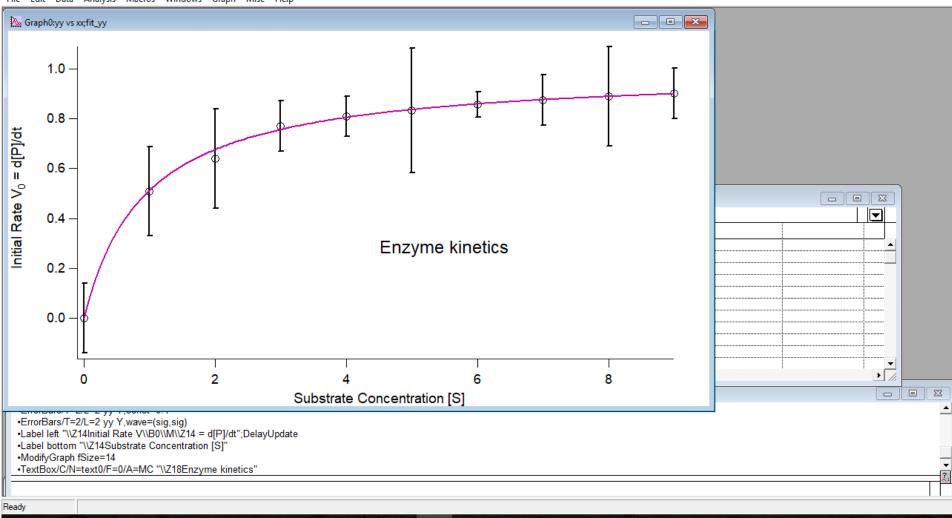
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#### And this is the finished product.

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