**Error Bar Directions**

You can set the direction of error bars in SigmaPlot's Graph Properties dialog: Plot > Error Bars > Direction. These are the options:

1. Both
2. Absolute, positive and negative
3. Relative, from zero and to zero

You can even set the direction for each error bar individually by entering the direction into the worksheet, and applying it to the graph (see below).

**Example**

![Graphs showing different error bar directions](image-url)
Each error bar individually

You can set the direction for each error bar individually by entering the direction into the worksheet, and applying it to the graph.

1. In a separate column of the worksheet, enter the direction for each error bar in the same row as its symbol value:

   P - positive
   N – negative
   T – to zero
   F – from zero
   B - both

Here we use column 4.

2. In the Graph Properties dialog > Plot > Error Bars > Direction, select this column from the end of the dropdown list. This will apply the error bar direction from the column to each symbol in the plot.
NOTE:

In this graph, the method “Properties from worksheet columns” has also been used for the X axis tick labels, and for the symbol and error bar colors.

1  
X axis tick labels
Graph Properties dialog > Axis > Major Tick Labels > Type: Column 4 (“Error Bar Direction”)

2  
Symbol and error bar colors
a) Enter the desired colors into a separate worksheet column. From the Worksheet ribbon > Graphic Cells > Color, enter them into the worksheet.

b) Graph Properties dialog > Plot > Symbols > Fill color, and  
Graph Properties dialog > Error Bars > Line > Color;
Select the “Color” column from the end of the dropdown list.

In the next TechTip: Asymmetric Error Bars.