

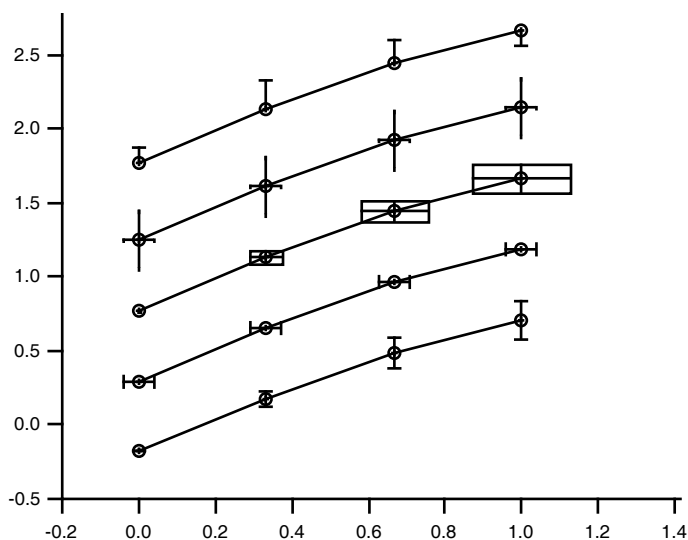
The Error Bars checkbox in the Modify Trace Appearance dialog adds error bars to the selected trace. When you select this checkbox or click the Options button, Igor presents the Error Bars subdialog.

Choose the desired mode from the Y Error Bars and X Error Bars pop-up menus.

If you select “+/- wave”, pop-up menus appear from which you can choose the waves to supply the upper and lower or left and right error values. These waves are called **error waves**. The values in error waves should normally all be positive since they specify the length of the line from each point to its error bar. This is the only mode that supports single-sided error bars. Error waves do not have to have the same numeric type and length as the base wave. If the value of a point in an error wave is NaN then the error bar corresponding to that point is not drawn.

You can set the thickness of the cap and the thickness of the error bar. The units for these settings are points. These can be fractional numbers. Nonintegral thicknesses are properly produced when exporting or printing. If you set Cap Thickness to zero no caps are drawn. If you set Bar Thickness to zero no error bars are drawn.

Here is a simple example of a graph with error bars.



II-304