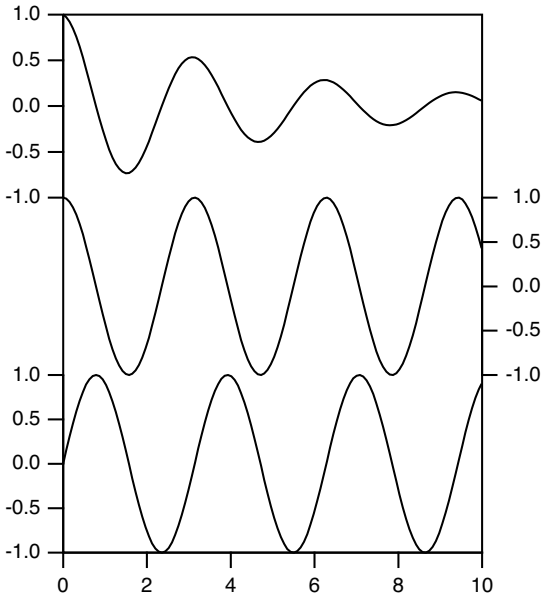
Staggered Stacked Plot

Here is a common variant of the stacked plot:



This example was created from three of the waves used in the previous plot. Wave1 was plotted using the left and bottom axes, wave2 used the right and bottom axes and wave3 used L2 and bottom axes. Then the Axis tab of the Modify Axis dialog was used to set the left axis to be drawn from 0% to 33% of normal, the right axis from 33% to 66% and the L2 axis from 66% to 100%. The Axis Standoff checkbox was unchecked for the bottom axis. This was not necessary for the other axes as axis standoff is not used when axes are drawn on a reduced extent.

After returning from the Modify Axis dialog, the graph was resized and the frame around the plot area was drawn using a polygon in plot-relative coordinates.

Waterfall Plots

You can create a graph displaying a sequence of traces in a perspective view. We refer to these types of graphs as waterfall plots, which can be created and modified using the **NewWaterfall** operation or by choosing Windows→New→Packages→Waterfall Plot.

To display a waterfall plot, you must first create or load a matrix wave. (If your data is in 1D waveform or XY pair format, you may find it easier to create a fake waterfall plot - see **Fake Waterfall Plots** on page II-328.) In this 2D matrix, each of the individual matrix columns is displayed as a separate trace in the waterfall plot. Each column from the matrix wave is plotted in, and clipped by, a rectangle defined by the X and Z axes with the plot rectangle displaced along the angled Y axis, which is the right-hand axis, as a function of the Y value.

You can display only one matrix wave per plot.

The traces can be plotted evenly-spaced, in which case their X and Y positions are determined by the X and Y dimension scaling of the matrix. Alternatively they can be plotted unevenly-spaced as determined by separate 1D X and Y waves.

To modify certain properties of a waterfall plot, you must use the ModifyWaterfall operation. For other properties, you will need to use the usual axis and trace dialogs.

Because the traces in the waterfall plot are from a single wave, any changes to the appearance of the waterfall plot using the Modify Trace Appearance dialog or ModifyGraph operation will globally affect all of the