# Appending Traces

You can append waves to a graph as a waveform or XY plot by choosing Append Traces to Graph from the Graph menu. This presents a dialog identical to the New Graph dialog except that the title and style macro items are not present. Like the New Graph dialog, this dialog provides a way to create new axes and pairs of XY data. The Append to Graph submenu in the Graph menu allows you to append category plots, contour plots and image plots.

# Appending Traces by Drag and Drop

You can append waves to a graph by dragging them from the Data Browser or from the Waves in Window list of the Window Browser.

The following sections present a guided tour showing how to use drag and drop. You can execute the example commands by selecting the line or lines and pressing Control-Enter (*Macintosh*) or Ctrl+Enter (*Windows*).

## Drag and Drop Tour

1.  **Choose File->New Experiment.**

2.  **Execute this command to create waves used in the tour:**

    ```
    Make/O wave0=sin(x/8), wave1=cos(x/8), wave2=wave0*wave1, xwave=x/8
    ```

3.  **Choose Data->Data Browser.**

    We will drag icons from the Data Browser into a graph window.

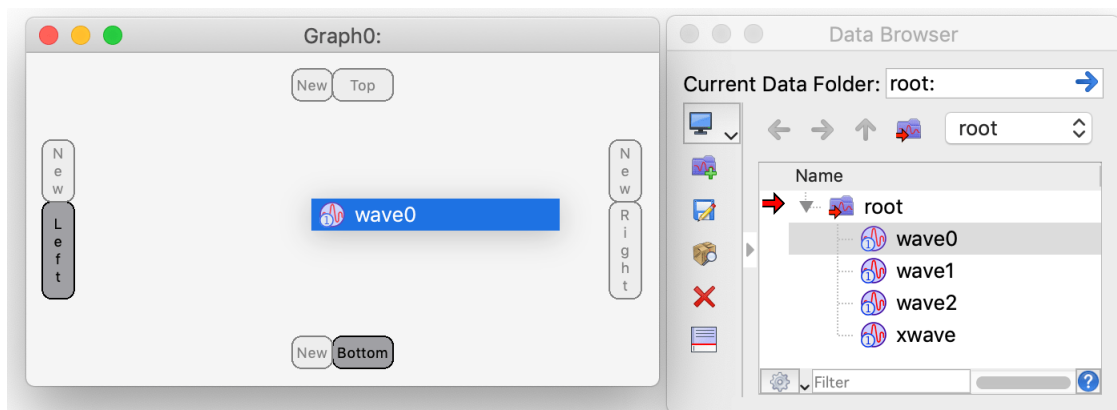4.  **Execute this command to create an empty graph:**

    ```
    Display
    ```

## Appending Traces to Standard Axes by Drag and Drop

You can append a trace using any of the four standard axes by dragging and hovering over the Left, Top, Right, or Bottom drop targets shown below. Dropping a wave in the middle of the graph appends a trace using the left and bottom axes.

1.  **Select wave0 in the Data Browser and drag it to the middle of the graph.**

    When the mouse enters the graph, a number of drop targets appear.



2.  **Release the mouse to drop the wave in the middle of the graph window.**

    Dropping the wave in the middle of the graph adds a trace to the left and bottom axes. An Append-ToGraph command appears in the history area of the command window.