

The data that we copied from layer 1 replaces the data in layer 0.

9. Choose Edit→Undo to return layer 0 to the original state.

Copying and Pasting All Data of a 3D Wave

Now let's consider an example in which we copy and paste all of the wave data, not just one layer.

1. Make a wave with 5 rows, 4 columns and 3 layers and display it in a table:

`Make/O/N=(5, 4, 3) w3D = p + 10*q + 100*r; Edit w3D`

2. Select all of the visible cells.

3. Press Option (*Macintosh*) or Alt (*Windows*) and choose Edit→Copy All Layers.

This copies the entire wave, all three layers, to the clipboard.

4. Press Option or Alt and choose Edit→Clear All Layers.

This clears all three layers.

5. Use Option-Down Arrow or Alt+Down Arrow and Option-Up Arrow or Alt+Up Arrow to verify that all three layers were cleared.

6. Press Option or Alt and choose Edit→Paste All Layers.

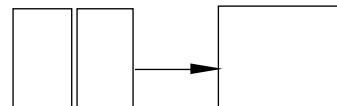
This pastes all three layers from the clipboard into the selected wave.

7. Use Option-Down Arrow and Option-Up Arrow or Alt+Down Arrow and Alt+Up Arrow to verify that all three layers were pasted.

Making a 2D Wave from Two 1D Waves

In this example, we make a 2D wave from two 1D waves. Execute:

`Make/O/N=5 w1DA=p, w1DB=100+p; Edit w1DA, w1DB`



1. Select all of the first 1D wave and choose Edit→Copy.

2. Click in the first unused cell in the table and choose Edit→Paste.

Because you pasted into the unused cell, Igor created a new wave. This is a “create-paste”.

3. Choose Redimension w1DA1 from the Table pop-up menu (gear icon).

4. In the Redimension Waves dialog, enter 2 for the number of columns and click Do It.

5. Right-click the column name of the redimensioned wave and choose Rename.

6. Rename w1DA1 as w2D.

7. Select all of the second 1D wave, w1DB, and choose Edit→Copy.

8. Select all of the second column of the 2D wave, w2D, and choose Edit→Paste.

We now have a 2D wave generated from two 1D waves.

Insert-Paste of Multidimensional Data

If you copy data in a table, and then select in the table or in another table, and do a paste while pressing Shift, you are doing an insert-paste. The copied data is inserted into the selected wave or waves before the selected cells. As in the case of the replace-paste, the insert-paste works on just the visible layer of data if Option (*Macintosh*) or Alt (*Windows*) is not pressed or on all layers if the Option or Alt is pressed. Next is an example that illustrates this.

Inserting New Rows in a 3D Wave

1. Make a wave with 5 rows, 4 columns and 3 layers and display it in a table:

`Make/O/N=(5, 4, 3) w3D = p + 10*q + 100*r; Edit w3D`

2. Select all of the cells in rows 1 and 2 of the table.

An easy way to do this is to click the “1” in the Row column and drag down to the “2”.