

## Chapter II-12 — Tables

This table shows the effect of the Option (*Macintosh*) or Alt (*Windows*) key.

	Copy	Paste	Clear
<b>No modifiers</b>	Copies visible	Replace-pastes visible	Clears visible
<b>Option or Alt</b>	Copies all	Replace-pastes all	Clears all

The middle column of the preceding table mentions “replace-pasting”. When you do a paste, Igor normally replaces the selection in the table with the data in the clipboard. However, if you press Shift while pasting, Igor inserts the data as new cells in the table. This is called an “insert-paste”. This table shows the effect of the Shift and Option (*Macintosh*) or Alt (*Windows*) keys on a paste.

	Paste
<b>No modifiers</b>	Replace-pastes visible
<b>Option</b>	Replace-pastes all
<b>Shift</b>	Insert-pastes visible
<b>Shift and Option or Alt</b>	Insert-pastes all

### Replace-Paste of Multidimensional Data

If you copy data in a table, and then select cells in the table or in another table, and do a paste, you are doing a replace-paste. The copied data replaces the selection when you do the paste.

For 1D and 2D waves, the subset that you copy and paste is obvious from the table selection. In the case of 3D and 4D waves, you can only see two dimensions in the table at one time and you can select a subset of those two dimensions.

When you do a normal replace-paste involving waves of dimension 3 or higher, the data in the clipboard replaces the data in the currently visible slice of the selected wave.

### Copying a Layer of a 3D Wave to Another Layer

Here is an example that illustrates replace-paste.

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
```

The table now displays all rows and all columns of layer 0 of the wave. Let's look at layer 1 of the wave.

2. Press Option-Down Arrow (*Macintosh*) or Alt+Down Arrow (*Windows*) while the table is active.

This changes the view to show layer 1 instead of layer 0.

3. Select all of the visible cells and choose Edit→Copy.

This copies all of layer 1 to the clipboard.

4. Press Option-Down Arrow or Alt+Down Arrow again to view layer 2 of the wave.

5. With all of the cells still selected, choose Edit→Paste.

The data copied from layer 1 replaces the data in layer 2 of the wave.

6. Choose Edit→Undo.

Layer 2 is restored to its original state.

7. Press Option-Up Arrow or Alt+Up Arrow two times.

We are now looking at layer 0.

8. Choose Edit→Paste.