

Chapter II-12 — Tables

Wave Name	Column Name	Column Contents
test	test.d	Data values of test
ctest	ctest.i	Index values of ctest
ctest	ctest.d.real	Real part of data values of ctest
ctest	ctest.d.imag	Imaginary part of data values of ctest

For multidimensional waves, the “.i” and “.l” suffixes still specify a single column of index values or dimension labels while the “.d” suffix specifies all of the data columns.

In the table-related commands, you can abbreviate column names as follows:

Full Column Specification	Abbreviated Column Specification
test.d	test
test.i, test.d	test.id
test.l, test.d	test.ld
ctest.d.real, ctest.d.imag	ctest.d or ctest
ctest.i, ctest.d.real	ctest.id.real
ctest.l, ctest.d.real	ctest.ld.real
ctest.i, ctest.d.imag	ctest.id.imag
ctest.l, ctest.d.imag	ctest.ld.imag
ctest.i,ctest.d.real,ctest.d.imag	ctest.id
ctest.l,ctest.d.real,ctest.d.imag	ctest.ld

A 2D wave has X and Y index values. A 3D wave has X, Y and Z index values. A 4D wave has X, Y, Z and T index values. Regardless of the dimensionality of the wave, however, it has only one index column in a table. The index column for a 2D wave, for example, may show the X values or the Y values, depending on how you are viewing the data. The index column will be labeled “wave.x” or “wave.y”, depending on the view. However, when referring to the column from an Igor command, you can always use the generic column name “wave.i” as well as the specific column name “wave.x” or “wave.y”. A dimension label column is always called “wave.l”, regardless of which dimension is showing in the table.

See **Edit** on page V-192 for some examples of commands using column names.

Appending Columns

To append columns to a table, choose Table→Append Columns to Table. This displays the Append Columns dialog.

Igor appends columns to the right end of the table. You can drag a column to a new position by pressing Option (*Macintosh*) or Alt (*Windows*) and dragging the column name.

Removing Columns

To remove columns from a table, choose Table→Remove Columns from Table. This displays the Remove Columns dialog.

You can also select the columns in the table, and use the Table pop-up menu to remove the selected columns.