

TableStyle

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TableStyle is a procedure subtype keyword that puts the name of the procedure in the Style pop-up menu of the New Table dialog and in the Table Macros menu. See **Table Style Macros** on page II-272 for details.

TableInfo

TableInfo (*winNameStr*, *itemIndex*)

The TableInfo function returns a string containing a semicolon-separated list of keywords and values that describe a column in a table or overall properties of the table. The main purpose of TableInfo is to allow an advanced Igor programmer to write a procedure which formats or arranges a table or which manipulates the table selection.

Parameters

winNameStr is the name of an existing table window or "" to refer to the top table.

itemIndex is one of the following:

<i>itemIndex</i>	Value	Returns
-2		Information about the table as a whole.
-1		Information about the Point column
≥ 0		Information about a column other than the Point column. 0 refers to the first column after the Point column, 1 refers to the second column after the Point column, and so on.

TableInfo returns "" in the following situations:

- *winNameStr* is "" and there are no table windows.
- *winNameStr* is a name but there are no table windows with that name.
- *itemIndex* not -2 and is out of range for an existing column.

Details

If *itemIndex* is -2, the returned string describes the table as a whole and contains the following keywords, with a semicolon after each keyword-value pair.

Keyword	Information Following Keyword
TABLENAME	The name of the table.
HOST	The host specification of the table's host window if it is a subwindow or "" if it is a top-level table window.
ROWS	Number of used rows in the table.
COLUMNS	Number of used columns in the table including the Point column.
SELECTION	A description of the table selection as you would specify it when invoking the ModifyTable operation's selection keyword.
FIRSTCELL	An identification of the first visible data cell in the top/left corner of the table in row-column format. The first data cell is at location 0, 0.
LASTCELL	An identification of the last visible data cell in the bottom/right corner of the table in row-column format.

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Keyword	Information Following Keyword
TARGETCELL	An identification of the target (highlighted) data cell in row-column format.
ENTERING	1 if an entry has been started in the entry line, 0 if not.
ENTRYTEXT	The text displayed in the entry line. If the user is editing the text in the entry line, this is the text as edited so far. If the user is not editing, it is the value of the first selected cell, as text. The ENTRYTEXT keyword is the last keyword-value pair in the returned string. It is not terminated with a trailing ";" character unless the entry line text itself ends with ";".
	The ENTRYTEXT keyword was added in Igor Pro 9.00.

If *itemIndex* is -1 up to but not including the number of used columns to the right of the Point column, the returned string describes the specified column and contains the following keywords, with a semicolon after each keyword-value pair.

Keyword	Information Following Keyword
TABLENAME	The name of the table.
HOST	The host specification of the table's host window if it is a subwindow or "" if it is a top-level table window.
COLUMNNAME	Name of the column as you would specify it to the Edit operation if you were creating a table showing just the column of interest.
TYPE	Column's type which will be one of the following: Unused, Point, Index, Label, Data, RealData, ImagData. "Index" identifies a index column such as the X values of a wave. "Label" identifies a column of dimension labels. "Data" identifies a data column of a scalar wave. RealData and ImagData identify a real or imaginary column of a complex wave.
INDEX	Column's position. -1 refers to the Point column, 0 to the first data column, and so on.
DATATYPE	Numeric data type of the wave or zero for text waves. See WaveType for a definition of data type codes.
WAVE	A full data folder path to the wave displayed in the column or "" for the Point column.
COLUMNS	The total number of columns in the table from the wave for the column for which you are getting information. This can be used to skip over all of the columns of a multidimensional wave.
HDIM	The wave dimension displayed horizontally as you move from one column to the next. 0 means rows, 1 means columns, 2 means layers, 3 means chunks.
VDIM	The wave dimension displayed vertically in the column. 0 means rows, 1 means columns, 2 means layers, 3 means chunks.
TITLE	As specified for the ModifyTable operation's title keyword.
WIDTH	Column's width in points.
FORMAT	As specified for the ModifyTable operation's format keyword.
DIGITS	As specified for the ModifyTable operation's digits keyword.
SIGDIGITS	As specified for the ModifyTable operation's sigDigits keyword.
TRAILINGZEROS	As specified for the ModifyTable operation's trailingZeros keyword.
SHOWFRACSECONDS	As specified for the ModifyTable operation's showFracSeconds keyword.