1.7.3 tablerow - Tool

Package	**utility**
Module	**table**

Allows access to rows of a table tool

Description
A table row is a record containing the values of a single row for all or optionally just specified columns from a table. In constructing the tablerow tool, one can specify which columns are to be included or excluded. Tool functions then allow getting and putting of table rows.

Example

```
include "table.g"
vis:=table("3C273XC1.MS", readonly=T);
vis.summary();
columns:=["TIME", "UVW", "DATA"];
visrow:=tablerow(vis, columns);
nrows:=vis.nrows();
for (irow in 1:nrows) print irow, visrow.get(irow);
visrow.close();
```

Constructors

tablerow	Construct table row tool

Functions

close	Close the tablerow
done	End the tablerow tool
get	Get a table row
put	Put a table row
set	Set table and columns to be accessed

tablerow - Constructor

Package	**utility**
Module	**table**
Tool	**tablerow**

Construct table row tool

Synopsis
tablerow(tab, columns, exclude)

Arguments

tab	in	table to be accessed Allowed:table tool
columns	in	Array of column names Allowed:Vector of Strings Default: All
exclude	in	Exclude instead of include the named columns? Allowed:Bool Default: F

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tablerow.set - Function

Package	**utility**
Module	**table**
Tool	**tablerow**

Set table and columns to be accessed

Synopsis
set(tab, columns, exclude)

Description
Reset the `tablerow` tool to use the given table and columns.

Arguments

tab	in	table to be accessed Allowed:table tool
columns	in	Array of column names Allowed:Vector of Strings Default: All
exclude	in	Exclude instead of include the named columns? Allowed:Bool Default: F

Returns
Bool

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tablerow.get - Function

Package	**utility**
Module	**table**
Tool	**tablerow**

Get a table row

Synopsis
get(rownr)

Description
Get the values in the given row. The values are returned as a record where the field names are the column names. Note that rows are numbered starting at 1.

Arguments

rownr	in	Row number Allowed:Int

Returns
Record

---

tablerow.put - Function

Package	**utility**
Module	**table**
Tool	**tablerow**

Put a table row

Synopsis
put(rownr, value, matchingfields)

Description

Put the values in the given record into the given table row. By default only the fields will be put with a name matching a column name in the `tablerow` tool. However, if `matchingfields=F` the given record must exactly match the tablerow layout (i.e. the column names in it). This is faster and can be used to put a record acquired using the /texttget function.
Note that rows are numbered starting at 1.

Arguments

rownr	in	Row number Allowed:Int
value	in	Values to put Allowed:Record
matchingfields	in	F=value record must match tablerow layout Allowed:Bool Default: T

Returns
Bool

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tablerow.close - Function

Package	**utility**
Module	**table**
Tool	**tablerow**

Close the tablerow

Synopsis
close()

Description
Close the tablerow. It can thereafter be reused using the set function.

Returns
Bool

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tablerow.done - Function

Package **utility**