

NAME

votinfo – Get information about a VOTable

SYNOPSIS

votinfo [<opts>] *votable.xml*

OPTIONS

The *votinfo* task accepts the following options:

-h, --help

Print a help summary to the terminal and exit. No processing is done following this flag.

-b, --brief

Print only brief output about the table.

-d, --description

Print the toplevel <DESCRIPTION> element of the VOTable.

-i, --info

Print all <INFO> elements in the VOTable.

-n WHAT, --numberOf WHAT

Get number of elements specified by *WHAT*.

-p, --param

Print all <PARAM> elements in the VOTable.

-q, --query_status

Get the 'QUERY_STATUS' <INFO> value, a value of zero is returned if the value is OK, or one if it is an ERROR.

-s, --size

Print the table size as <nrows> and <ncols> values. In a multi-RESOURCE VOTable only results for the first table are returned.

-v, --verbose

Print verbose output.

-w, --warn

Print VOTable parser warning messages.

DESCRIPTION

The *votinfo* task is used to either print a summary of a VOTable's structure, or to get specific attributes of a VOTable (e.g. the size of a table, number of parameters, etc). The *-n WHAT* flag is used to query for the number of *WHAT* elements in the document, allow values of *WHAT* include:

<i>param</i>	number of <PARAM> elements
<i>info</i>	number of <INFO> elements
<i>rows</i>	number of table rows
<i>cols</i>	number of table cols
<i>resources</i>	number of <RESOURCE> elements

The VOTable <PARAM> elements may be printed using the *-p* flag, similarly <INFO> elements can be printed using *-i*.

If no input file is specified the VOTable will be read from the stdin, results will be written to stdout unless the *-o* (or *--output*) names an output file. The task will only process a single VOTable and may not be used to convert multiple files in a single call.

RETURN STATUS

On exit the **votinfo** task will return a zero indicating success, or a one indicating an error.

EXAMPLES

- 1) Print verbose summary information about a VOTable

```
% votinfo -v test.xml
```

- 2) Print the <PARAM> elements in a table, then get a count

```
% votinfo -p test.xml
```

```
% votinfo --numberOf=param test.xml
```

- 3) Determine whether a VOTable contains a successful result

```
% votinfo -q test.xml
```

A zero indicates 'OK', a one is an 'ERR', and -1 means that an <INFO> with a 'QUERY_STATUS' was not found

BUGS

The task doesn't always work intuitively with multi-resource VOTables.

Revision History

Feb 2013 - First public release

Author

Michael Fitzpatrick (fitz@noao.edu), Feb 2013

SEE ALSO

votget, votget, votpos, votsort, votstat