

**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. Parameters are printed as *name=value* pairs,, if there is no output it is implied there are no `<INFO>` elements in the document.

**-n WHAT, --numberOf WHAT**

Get number of elements specified by *WHAT*. The *WHAT* must be a valid VOTable element name.

**-p, --param**

Print all `<PARAM>` elements in the VOTable. Parameters are printed as *name=value* pairs, if there is no output it is implied there are no `<PARAM>` elements in the document.

**-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, allowed values of *WHAT* include:

<i>param</i>	number of <code>&lt;PARAM&gt;</code> elements
<i>info</i>	number of <code>&lt;INFO&gt;</code> elements
<i>rows</i>	number of table rows
<i>cols</i>	number of table cols
<i>resources</i>	number of <code>&lt;RESOURCE&gt;</code> 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

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## SEE ALSO

votget, votget, votpos, votsort, votstat