

SEP #25 : Extend “fileinfo” to manage a column vector as input argument

Title: extends fileinfo

Version: 1.0

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Review:

Commented:

State:

Scilab-Version: 5.2

Vote:

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Abstract

Extend 'fileinfo' to manage column vector of strings (filenames).

Rationale

Current 'fileinfo' works only with a string as input argument.

Use a column vector will be easier than to do a scilab loop on 'fileinfo'.

For compatibility, if there is only one filename as input argument , it will return a vector of size 13 (if filename exists) or an empty matrix [] (if file does not exist).

If there is an 'm' column vector of filenames as input argument, it will return a matrix of size m x 13.

If a filename does not exist , it will return as output information a line of size 13 with Nan in each element of this line. (see next example)

Example Usage

```
// Scilab 5.1 and 5.2 (compatibility)
-->[infos,err ] = fileinfo(SCI)
err =

    0.

infos =

    0. 16895.    0.    0.    3.    1.240D+09    1.240D+09    1.240D+09    3. 0.    0.    0.    1.
```

```

-->[infos,err ] = fileinfo('my_file_not_exist')
err =

- 1.
infos =

[]

// Scilab 5.2

A = [SCI;SCI+'r';SCIHOME;TMPDIR;SCIHOME+'/myfile']
-->[infos,err] = fileinfo(A)
err =

0.
- 1.
0.
0.
- 1.
infos =

0. 16895. 0. 0. 3. 1.241D+09 1.236D+09 1.241D+09 3. 0. 0. 0. 1.
Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan
0. 16895. 0. 0. 2. 1.240D+09 1.240D+09 1.240D+09 2. 0. 0. 0. 1.
0. 16895. 0. 0. 2. 1.241D+09 1.241D+09 1.241D+09 2. 0. 0. 0. 1.
Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan Nan

```

Change log

1.0 – Initial Revision

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