FTOVAX	CERN Program Library	Z267

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Submitter : **Submitted:** 01.09.1990
Language : Fortran **Revised:** 01.11.1994

Convert File-name to and from UNIX Syntax

These routines convert a file name from `UNIX` form to `VAX VMS` form, and vice versa. The correspondance is as follows:

```
VAX:    node::disk:[a.b.c]file.ext;cy
UNIX:   //node/disk/a/b/c/file.ext;cy

VAX:     [a.b.c]file.ext;cy   and   [.a.b.c]file.ext;cy
UNIX:   /(a/b/c/file.ext;cy            a/b/c/file.ext;cy
```

Forms like `../file.ext;cy` and `/dir/file.ext;cy` are also handled.
For back-compatibility `/=disk` is handled as `/disk`.

Structure:

`SUBROUTINE` subprograms
User Entry Names: `FTOVAX`, `FFRVAX`
Common Blocks: `COMMON /SLATE/ ISTAT,DUMMY(39)`

Usage:

Convert to VAX form

```
CALL FTOVAX(CHNAME,NCH)

   *CHNAME*  file-name to be converted in situ
      *NCH*  significant length of the name
```

No conversion is done if the file-name does not contain a character `"/"` on input.

Convert to UNIX form

```
CALL FFRVAX(CHNAME,NCH)

   *CHNAME*  file-name to be converted in situ
      *NCH*  significant length of the name
```

No conversion is done if the file-name does already contain a character `"/"` on input.
This routine does some tidying up if necessary, thus for example the troublesome

`disk:[a][b.c]fn.ext` becomes the correct `/disk/a/b/c/fn.ext`

Both routines return `ISTAT=0` if no conversion was needed, `ISTAT=1` for successful conversion, and `ISTAT=-1` if a syntax error was detected.
Note that both routines update both the file-name and its useful length `NCH` in situ.

Examples:

```
tex/z267.tex                    [.tex]z267.tex
../wyl/kernfor.car              [-.wyl]kernfor.car
/(julia/kern/wyl/kernvax.car    [julia.kern.wyl]kernvax.car
/cern_root/pam/kernfor.car      cern_root:[pam]kernfor.car
```

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