

NAME

ppfrdvi - stdio read pattern variable information

SYNOPSIS

```
#include <stdio.h>
#include <ppsubs.h> /* pattern definitions and structs */

int pperrno; /* error type external */

int ppfrdvi(patstream, viptr, maxsize, headptr)
FILE *patstream;
int *viptr;
int maxsize;
struct PPHEAD *headptr;
```

DESCRIPTION

Pprdvi and **ppfrdvi** read the variable argument information part from a pattern file (**patfdesorpatstream**). The variable argument information part is read into a buffer which must start on a 16 bit word boundary which is pointed to by **viptr**. This buffer area is **maxsize** bytes in size. **Maxsize** should have a value greater than or equal to the value returned by the **ppvisiz(3L)** subroutine. If **pprdvi** or **ppfrdvi** return a **NULL** and **pperrno == NULL**, then the pattern is not a variable pattern (i.e., no variable arguments required). This is the only case where a **NULL** return value indicates a normal (no-error) termination.

SEE ALSO

ppfopenpat(3L), ppfgetpat(3L), ppvitell(3L), ppvisiz(3L), pperrno(3L), pattern(5L)

DIAGNOSTICS

Normally this subroutine returns the number of bytes read. The subroutine returns a **NULL** when an error occurs. This subroutine will set the value of **pperrno** to one of the following values (defined in **<ppsubs.h>**) when a problem occurs.

- PPBADPAT** - The size of a particular part of the pattern is smaller than indicated in the pattern header (i.e., the pattern has been scribbled or altered), or the pattern header has erroneous information in it (i.e., the pattern header is not a pattern header or the pattern file has been scribbled or altered).
- PPNOVI** - This error occurs when the pattern format type is not standard. Only standard format type patterns have variable argument information included in the pattern file.
- PPOVRFLOW** - The part of the pattern to be read is larger than the buffer size as given in the subroutine call (**maxsize**). This was determined by comparing **maxsize** to the information in the pattern header. No attempt

was made to read anything into the buffer.

PPSYSERR - A system call error occurred (usually read or seek problem). Check the value of the external variable **errno**. The pattern was not read in.

BUGS

If these subroutines are used to read pipes, then the seeks performed internal to the subroutines will most likely fail resulting in a PPSYSERR value in pperrno.