

NAME

ppfopenpat - stdio open pattern disk file

SYNOPSIS

```
#include <stdio.h> /* only needed for ppfopenpat */
#include <ppsubs.h>
```

```
int pperrno; /* error type external */
char *ppathname; /* full path name of opened file */
```

```
FILE *ppfopenpat(patname, pattype, dirso)
char *patname;
int pattype;
PPATDIR dirso[];
```

```
int ppopenpat(patname, pattype, dirso)
char *patname;
int pattype;
PPATDIR dirso[];
```

DESCRIPTION

Ppopenpat and **ppfopenpat** provides an easy method for opening a pattern file on the disk for reading. They are equivalent except that **ppfopenpat** is a **<stdio.h>** version of **ppopenpat**.

Ppopenpat and **ppfopenpat** first look at the string pointed to by **patname**. **Ppopenpat** and **ppfopenpat** use the string to form the disk file name for the pattern. To be valid, the string must be null terminated and no longer than 256 characters. If **patname** points to a valid string, then the string is copied into a buffer. If **patname** points to a **\0** (null string) or if **patname = NULL**, then **PPDFLTNAM** is copied into the buffer.

If **pattype** is **PPOBJFRMT**, then a **.o** is appended to the name in the buffer. If **pattype** is **PPSTDFRMT**, then a **.p** is appended. If **pattype** is **PPMODFRMT**, then nothing is appended. The address of the buffer is put into the external **ppathname**. This buffer is used for the filename.

If filename starts with a **/**, then **ppopenpat** and **ppfopenpat** will try to open filename. If filename does not start with a **/**, then **ppopenpat** and **ppfopenpat** will search the pattern directories (in order). The pattern directory search order may be specified as detailed in **ppdefds0(3L)**.

If the search order is not specified (i.e., **dirso = (PPATDIR NULL)**), then a default order is used. The default search order is as follows:

/keyword	pattern keyword and primitives directory
.	present working directory
/compat	common pattern directory
/usr/pat	common user pattern directory

Ppopenpat and **ppfopenpat** will try to open filename in the first pattern directory in which filename is found.

Once filename is opened, **ppfopenpat** returns a stream file pointer, and **ppopenpat** returns the file descriptor of the open file.

SEE ALSO

ppdefdso(3L), ppdftdso(3L), pattern(5L)

DIAGNOSTICS

Ppopenpat returns a **EOF** when an error occurs. **Ppfopenpat** returns a **NULL** when an error occurs. **Ppopenpat** and **ppfopenpat** will set **pperrno** to one of the following values (defined in **ppsubs.h**) when a problem occurs:

PPBADDIR - The directory name given for the search path is too long (too many characters). The directory name and pattern file name (including the ".p" or ".o") can be no longer than the **PPMAXNAM** value defined in **ppsubs.h**.

PPBADNAME - The pattern name had invalid syntax.

PPNOPAT - The pattern could not be opened or found.