

NAME

ppmakepat - make pattern from definition

SYNOPSIS

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

int ppsleep;             /* sleep time between fork tries */
int pptryagain;         /* how many fork() tries */
int pperrno;            /* pattern subs error depository */
int errno;              /* system I/O error depository */

int ppmakepat(patname, type, dirso, flags, def0, ..., (char *) NULL)
char *patname;          /* name of the pattern */
int type;               /* pattern format type */
PPATDIR *dirso;        /* pattern directory search order */
unsigned flags;        /* ppmkpat program flags; +t */
char *def0;            /* first definition string pointer */
```

DESCRIPTION

This is the pattern library subroutine which will take a pattern definition and make a pattern with arguments as follows:

- patname** This points to the name of the pattern to be created. This may be a full pathname (e.g., "/type01/pat/ex01"), but should not include the ".p" or ".o" ending.
- type** This describes the type (standard, object, etc.) of pattern to be created. One of the defined symbols in /usr/include/ppsubs.h should be used. For example PPSTDFRMT for a standard format type pattern.
- dirso** This describes the directory search order to be used when looking for predefined patterns in the definition. How to specify dirso is described in **ppdefdso(3L)**. If the default search order (as described in **ppdftdso(3L)**) is desired, then use (**PPATDIR ***) **NULL** for the value of dirso.
- flags** This variable allows the use of one or more compiler options for **ppmkpat(1L)**. The following options are available:

```
PPTRANFLAG = +t; translate lowercase to uppercase
PPRESTRICT = +r; restrict some built-in patterns
PPNOCPPFLAG = -p; no C compiler prepass
PPONLYPPFLAG = +p; only C compiler prepass
PPIPOKFLAG = +ipok; output IP and OK acknowledgments
```

If more than one option is desired, then bit-or them together (e.g., PPTRANFLAG | PPRESTRICT will implement both the +t and +r ppmkpat(1L) options). If no options are desired, then use a 0 or NULL value for flags. The **ppsubs.h** header file should be consulted for additional

options which may exist but are not described above.

def0 The definition may be one or more NULL terminated strings which are given as arguments after the **flags** argument. The last argument must always be a (**char ***) **NULL**. The pattern compiler (**ppmkpat(1D)**) is **fork()** and **execve()** with its input being each of the definitions strings given in the order they occur in the argument list.

SEE ALSO

ppsleep(3L), **pptryagain(3L)**, **pperrno(3L)**, **intro(2)**, **pattern(5L)**

DIAGNOSTICS

ppmakepat() returns a **NULL** value when an error occurs, and sets the value of the external variable **pperrno** to one of the following values (defined in **<ppsubs.h>**):

- PPSYNTAX** - The pattern definition given has one or more syntax errors. This was determined by the pattern compiler (**ppmkpat(1L)**), and the pattern compiler will already have sent error messages to standard output.
- PPSYSERR** - A system call error occurred (usually no memory). Check the value of the external variable **errno**. The pattern was not read in.