NAME

fmod, **fmodf**, **fmodl** - floating-point remainder functions

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <math.h>

double
fmod(*double x*, *double y*);

float
fmodf(*float x*, *float y*);

long double
fmodl(*long double x*, *long double y*);

DESCRIPTION

The **fmod**(), **fmodf**(), and **fmodl**() functions compute the floating-point remainder of *x*/ *y*.

RETURN VALUES

If *y* is non-zero, the **fmod**(), **fmodf**(), and **fmodl**() functions return the value *x*-*i***y*, for some integer *i*, such that the result has the same sign as *x* and magnitude less than the magnitude of *y*. If *y* is zero, a NaN is produced.

SEE ALSO

math(3)

STANDARDS

The **fmod**(), **fmodf**(), and **fmodl**() functions conform to ISO/IEC 9899:1999 ("ISO C99").

HISTORY

An **fmod**() function first appeared in Version 5 AT&T UNIX.