NAME

exp, log, pow, sqrt − exponential, logarithm, power, square root

SYNOPSIS

#include <math.h>

double exp (x)
double x;

double log (x)
double x;

double pow (x, y)
double x, y;

double sqrt (x)
double x;

DESCRIPTION

Exp returns the exponential function of *x*.

Log returns the natural logarithm of *x*.

Pow returns x^y.

Sqrt returns the square root of *x*.

SEE ALSO

hypot(3M), sinh(3M), intro(2)

DIAGNOSTICS

Exp and *pow* return a huge value when the correct value would overflow.

Log and *pow* return 0 when *x* is zero or negative.

Sqrt returns 0 when *x* is negative.

BUGS

Pow indicates error **ERANGE** (see *intro*(2)) for nonpositive *x* regardless of the value of *y*.