NAME

frexp, ldexp, modf — split into mantissa and exponent

SYNOPSIS

double frexp (value, eptr)
double value;
int *eptr;

double ldexp (value, exp)
double value;

double modf (value, iptr)
double value, *iptr;

DESCRIPTION

Frexp returns the mantissa of a double *value* as a double quantity, *x*, of magnitude less than 1 and stores an integer *n* such that *value* $= x*2**n$ indirectly through *eptr*.

Ldexp returns the quantity *value*$*2**exp$.

Modf returns the positive fractional part of *value* and stores the integer part indirectly through *iptr*.