



Linux Ubuntu 26.04 Manual Pages on command 'remquo(3)'

\$ man remquo(3)

remquo(3) Library Functions Manual remquo(3)

NAME

remquo, remquof, remquol - remainder and part of quotient

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

double remquo(double x, double y, int *quo);

float remquof(float x, float y, int *quo);

long double remquol(long double x, long double y, int *quo);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
remquo(), remquof(), remquol():
    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

DESCRIPTION

These functions compute the remainder and part of the quotient upon division of x by y . A few bits of the quotient are stored via the `quo` pointer. The remainder is returned as the function result.

The value of the remainder is the same as that computed by the `remainder(3)` function.

The value stored via the `quo` pointer has the sign of x / y and agrees with the quotient in at least the low order 3 bits.

For example, `remquo(29.0, 3.0)` returns `-1.0` and might store `2`. Note that the actual quotient might not fit in an integer.

RETURN VALUE

If y is zero, and x is not a NaN, a domain error occurs, and a NaN is returned.

remquo(3)