



## ***Linux Ubuntu 26.04 Manual Pages on command 'umaxabs.3'***

**\$ man umaxabs.3**

abs(3) Library Functions Manual abs(3)

### NAME

abs, labs, llabs, imaxabs, uabs, ulabs, ullabs, umaxabs - compute the absolute value of an integer

### LIBRARY

Standard C library (libc, -lc)

### SYNOPSIS

```
#include <stdlib.h>

int abs(int j);

long labs(long j);

long long llabs(long long j);

unsigned int uabs(int j);

unsigned long ulabs(long j);

unsigned long long ullabs(long long j);

#include <inttypes.h>

intmax_t imaxabs(intmax_t j);

uintmax_t umaxabs(intmax_t j);
```

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

```
llabs():
    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

uabs(), ulabs(), ullabs(), umaxabs():
    _ISOC2Y_SOURCE
```

### DESCRIPTION

## RETURN VALUE

## ATTRIBUTES

[illegible][illegible]

|             |   |   |   |
|-------------|---|---|---|
| ? umaxabs() | ? | ? | ? |
|-------------|---|---|---|

[illegible]

## STANDARDS

abs()

labs()

llabs()

imaxabs()

C23, POSIX.1-2024

## HISTORY

`abs()` C89, POSIX.1-1996, SVr4, 4.3BSD.

labs() C89, POSIX.1-2001.

llabs()

C99, POSIX.1-2001; glibc 2.0.

imaxabs()

C99, POSIX.1-2001; glibc 2.1.1.

uabs()

ullabs()

C2y; glibc 2.42.

umaxabs()

C2y; glibc 2.43.

## Page 2/3

For `abs()`, `labs()`, `llabs()`, and `imaxabs()`, trying to take the absolute value of the most negative integer is not defined.

SEE ALSO

`cabs(3)`, `ceil(3)`, `fabs(3)`, `floor(3)`, `rint(3)`

Linux man-pages 6.17

2026-02-08

`abs(3)`