

NAME

difftime – calculate time difference

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <time.h>
```

```
double difftime(time_t time1, time_t time0);
```

DESCRIPTION

The **difftime()** function returns the number of seconds elapsed between time *time1* and time *time0*, represented as a *double*. Each time is a count of seconds.

difftime(b, a) acts like $(b-a)$ except that the result does not overflow and is rounded to *double*.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
difftime()	Thread safety	MT-Safe

STANDARDS

C11, POSIX.1-2008.

HISTORY

POSIX.1-2001, C89, SVr4, 4.3BSD.

SEE ALSO

date(1), **gettimeofday(2)**, **time(2)**, **ctime(3)**, **gmtime(3)**, **localtime(3)**