NAME

difftime − calculate time difference

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 of the times is specified in calendar time, which means its value is a measurement (in seconds) relative to the Epoch, 1970-01-01 00:00:00 +0000 (UTC).

ATTRIBUTES

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

Interface	Attribute	Value
difftime()	Thread safety	MT-Safe

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD.

NOTES

On a POSIX system, *time_t* is an arithmetic type, and one could just define

```
#define difftime(t1,t0) (double)(t1 − t0)
```

when the possible overflow in the subtraction is not a concern.

SEE ALSO

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

COLOPHON

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