



Rocky Enterprise Linux 9.2 Manual Pages on command 'difftime.3'

C:\>man difftime.3

DIFFTIME(3) Linux Programmer's Manual DIFFTIME(3)

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)`.

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?Interface ? Attribute ? Value ?

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?difftime() ? Thread safety ? MT-Safe ?

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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

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

GNU

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