#### **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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