

**NAME**

**mbtime** – Translate between calendar time values and unix time.

**VERSION**

Version 5.0

**SYNOPSIS**

**mbtime** [**-M***time\_d* **-T***year/month/day/hour/minute/second* **-V** **-H**]

**DESCRIPTION**

The program **mbtime** converts time values between unix time (seconds since 1970/01/01 00:00:00.000000) and calendar time (e.g. 2008/006/05/17/24/32.000000). Unix time is also known as POSIX time or epoch time, and are typically represented in **MB-System** documentation (and source code) as "time\_d" values. The input time is set using the command line arguments **-M***time\_d* for epoch seconds and **-T***year/month/day/hour/minute/second* for calendar time. The output time (in the form not specified as input) is written to stdout.

**MB-SYSTEM AUTHORSHIP**

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**OPTIONS**

- H** This "help" flag cause the program to print out a description of its operation and then exit immediately.
- M** *time\_d*  
 Sets the input time to be *time\_d* in unix time, which is defined as seconds since 00:00:00.000000 01 January 1970. If **-M** is specified, this time will be converted to calendar time and output to stdout in the form  
           yyyy/mm/dd/hh/mm/ss.ssssss
- T** *year/month/day/hour/minute/second*  
 Sets the input time to be *year/month/day/hour/minute/second*. If **-T** is specified, this time will be converted to *time\_d* in epoch (Unix) seconds, which are seconds since 00:00:00.000000 01 January 1970. The *time\_d* value will be output to stdout.
- V** Normally, **mbtime** only prints out the converted time. If the **-V** flag is given, then **mbtime** works in a "verbose" mode and also outputs the program version being used.

**EXAMPLES**

Suppose one wishes to convert the current time (06 June 2008 18:37:14.000000) to unix seconds. The following command:

```
mbtime -T2008/06/06/18/37/14.0
```

yields the following result:

```
1212777434.000000
```

Suppose one wishes to convert the unix time 1212777434.0 to calendar time. The following command:

```
mbtime -M1212777434.0
```

yields the following result:

2008/06/06/18/37/14.000000

**SEE ALSO**

**mbsystem(1)**, **mbio(1)**

**BUGS**

Never bugs, but perhaps our good friends, the terrestrial isopods.