

NAME

time – time functions for gawk

SYNOPSIS

```
@load "time"
```

```
time = gettimeofday()  
ret = sleep(amount)
```

DESCRIPTION

The *time* extension adds two functions named **gettimeofday()** and **sleep()**, as follows.

gettimeofday()

This function returns the number of seconds since the Epoch as a floating-point value. It should have subsecond precision. It returns **-1** upon error and sets **ERRNO** to indicate the problem.

sleep(*seconds*)

This function attempts to sleep for the given amount of seconds, which may include a fractional portion. If *seconds* is negative, or the attempt to sleep fails, then it returns **-1** and sets **ERRNO**. Otherwise, the function should return 0 after sleeping for the indicated amount of time.

EXAMPLE

```
@load "time"  
...  
printf "It is now %g seconds since the Epoch\n", gettimeofday()  
printf "Pausing for a while... " ; sleep(2.5) ; print "done"
```

SEE ALSO

GAWK: Effective AWK Programming, *filefuncs(3am)*, *fnmatch(3am)*, *fork(3am)*, *inplace(3am)*, *ordchr(3am)*, *readdir(3am)*, *readfile(3am)*, *revoutput(3am)*, *rwwarray(3am)*.

gettimeofday(2), *nanosleep(2)*, *select(2)*.

AUTHOR

Arnold Robbins, arnold@skeeve.com.

COPYING PERMISSIONS

Copyright © 2012, 2013, Free Software Foundation, Inc.

Permission is granted to make and distribute verbatim copies of this manual page provided the copyright notice and this permission notice are preserved on all copies.

Permission is granted to copy and distribute modified versions of this manual page under the conditions for verbatim copying, provided that the entire resulting derived work is distributed under the terms of a permission notice identical to this one.

Permission is granted to copy and distribute translations of this manual page into another language, under the above conditions for modified versions, except that this permission notice may be stated in a translation approved by the Foundation.