

**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)*, *rvarray(3am)*.

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

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