

NAME

getloadavg - get system load averages

SYNOPSIS

```
#define _BSD_SOURCE /* See feature\_test\_macros\(7\) */
#include <stdlib.h>

int getloadavg(double loadavg[], int nelem);
```

DESCRIPTION

The `getloadavg()` function returns the number of processes in the system run queue averaged over various periods of time. Up to *nelem* samples are retrieved and assigned to successive elements of *loadavg*[],. The system imposes a maximum of 3 samples, representing averages over the last 1, 5, and 15 minutes, respectively.

RETURN VALUE

If the load average was unobtainable, -1 is returned; otherwise, the number of samples actually retrieved is returned.

VERSIONS

This function is available in glibc since version 2.2.

ATTRIBUTES

Multithreading (see [pthreads\(7\)](#))

The `getloadavg()` function is thread-safe.

CONFORMING TO

Not in POSIX.1-2001. Present on the BSDs and Solaris.

SEE ALSO

[uptime\(1\)](#), [proc\(5\)](#)

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.