

NAME

kvm_getloadavg - get load average of the system

LIBRARY

Kernel Data Access Library (libkvm, -lkvm)

SYNOPSIS

```
#include <kvm.h>
```

int

```
kvm_getloadavg(kvm_t *kd, double loadavg[], int nelem);
```

DESCRIPTION

The **kvm_getloadavg()** function returns the number of processes in the system run queue of the kernel indicated by *kd*, 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.

DIAGNOSTICS

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

SEE ALSO

uptime(1), getloadavg(3), kvm(3)