NAME
clock_getcpuclockid - access a process CPU-time clock

LIBRARY
Standard C Library (libc, -lc)

SYNOPSIS
#include <time.h>

int
clock_getcpuclockid(*pid_t pid*, *clockid_t *clock_id*);

DESCRIPTION
The **clock_getcpuclockid**() returns the clock ID of the CPU-time clock of the process specified by *pid*. If the process described by *pid* exists and the calling process has permission, the clock ID of this clock will be returned in *clock_id*.

If *pid* is zero, the **clock_getcpuclockid**() function returns the clock ID of the CPU-time clock of the process making the call, in *clock_id*.

RETURN VALUES
Upon successful completion, **clock_getcpuclockid**() returns zero; otherwise, an error number is returned to indicate the error.

ERRORS
The **clock_getcpuclockid**() function will fail if:

[EPERM]   The requesting process does not have permission to access the CPU-time clock for the process.

[ESRCH]   No process can be found corresponding to the process specified by *pid*.

SEE ALSO
clock_gettime(2)

STANDARDS
The **clock_getcpuclockid**() function conforms to IEEE Std 1003.1-2001 ("POSIX.1").

HISTORY
The **clock_getcpuclockid**() function first appeared in FreeBSD 10.0.

AUTHORS

David Xu <*davidxu@FreeBSD.org*>