

NAME

cnd_wait - wait for a condition

SYNOPSIS

library "threads"

#include <threads.h>

int

cnd_wait(*cnd_t* **cnd*, *mtx_t* **mtx*);

DESCRIPTION

The function **cnd_wait**() will stall the calling thread until a condition is being send to *cnd* from an other thread using either of **cnd_signal**(3) or **cnd_broadcast**(3). The function will release the mutex *mtx* atomically and hold it once the thread resumes execution.

A thread waiting with **cnd_wait**() may be woken up by signals.

RETURN VALUES

Upon success **cnd_wait**() returns *thrd_success*, otherwise *thrd_error* will be returned.

SEE ALSO

cnd_init(3) **cnd_destroy**(3) **cnd_broadcast**(3) **cnd_timedwait**(3) **cnd_signal**(3) **mtx_init**(3)

HISTORY

The **cnd_wait**() function first appeared in the C11 standard ISO/IEC 9899:2011.

AUTHORS

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