NAME

pthread_rwlock_unlock - release a read/write lock

LIBRARY

POSIX Threads Library (libpthread, -lpthread)

SYNOPSIS

#include <pthread.h>

int
pthread_rwlock_unlock(*pthread_rwlock_t *lock*);

DESCRIPTION

The **pthread_rwlock_unlock**() function is used to release the read/write lock previously obtained by
pthread_rwlock_rdlock(), **pthread_rwlock_wrlock**(), **pthread_rwlock_tryrdlock**(), or
pthread_rwlock_trywrlock().

RETURN VALUES

If successful, the **pthread_rwlock_unlock**() function will return zero. Otherwise an error number will be
returned to indicate the error.

The results are undefined if *lock* is not held by the calling thread.

ERRORS

The **pthread_rwlock_unlock**() function may fail if:

[EINVAL]   The value specified by *lock* is invalid.

[EPERM]   The current thread does not own the read/write lock.

SEE ALSO

pthread_rwlock_rdlock(3), pthread_rwlock_wrlock(3)

STANDARDS

The **pthread_rwlock_unlock**() function is expected to conform to Version 2 of the Single UNIX
Specification ("SUSv2").

HISTORY

The **pthread_rwlock_unlock**() function first appeared in FreeBSD 3.0.