



Linux Ubuntu 26.04 Manual Pages on command 'TIMESPEC_TO_TIMEVAL.3'

\$ man TIMESPEC_TO_TIMEVAL.3

TIMEVAL_TO_TIMESPEC(3) Library Functions Manual TIMEVAL_TO_TIMESPEC(3)

NAME

TIMEVAL_TO_TIMESPEC, TIMESPEC_TO_TIMEVAL - convert between time structures

SYNOPSIS

```
#define _GNU_SOURCE

#include <sys/time.h>

void TIMEVAL_TO_TIMESPEC(const struct timeval *tv, struct timespec *ts);

void TIMESPEC_TO_TIMEVAL(struct timeval *tv, const struct timespec *ts);
```

DESCRIPTION

These macros convert from a timeval(3type) to a timespec(3type) structure, and vice versa, respectively.

This is especially useful for writing interfaces that receive a type, but are implemented with calls to functions that receive the other one.

STANDARDS

GNU, BSD.

Linux man-pages 6.17 2025-05-17 TIMEVAL_TO_TIMESPEC(3)