

**NAME**

**pthread\_suspend\_np** - suspend a thread

**LIBRARY**

POSIX Threads Library (libpthread, -lpthread)

**SYNOPSIS**

```
#include <pthread_np.h>
```

*int*

```
pthread_suspend_np(pthread_t tid);
```

**DESCRIPTION**

The **pthread\_suspend\_np()** function, called on an active thread, causes it to suspend.

It is not safe for the caller of the **pthread\_suspend\_np()** function to use any non-async signal safe functions, except **pthread\_resume\_np(3)**, until suspended thread is resumed, unless measures are taken to ensure that the thread is suspended at a safe point.

**RETURN VALUES**

If successful, **pthread\_suspend\_np()** function returns 0. Otherwise, an error number is returned to indicate the error.

**ERRORS**

The **pthread\_suspend\_np()** function will fail if:

- |           |   |
|-----------|---|
| [EDEADLK] | An attempt was made to suspend the current thread.  |
| [EINVAL]  | The value specified by the <i>tid</i> argument is invalid.                                    |
| [ESRCH]   | No thread could be found corresponding to the thread ID specified by the <i>tid</i> argument. |

**SEE ALSO**

**pthread\_np(3)**, **pthread\_resume\_all\_np(3)**, **pthread\_resume\_np(3)**, **pthread\_suspend\_all\_np(3)**

**AUTHORS**

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