NAME
strsignal, sigabbrev_np, sigdescr_np, sys_siglist – return string describing signal

LIBRARY
Standard C library (*libc*, *−lc*)

SYNOPSIS
#include <string.h>

char *strsignal(int *sig***);**
const char *sigdescr_np(int *sig***);**
const char *sigabbrev_np(int *sig***);**

[[deprecated]] extern const char *const *sys_siglist***[];**

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

sigabbrev_np(), **sigdescr_np**():
  _GNU_SOURCE

strsignal():
  From glibc 2.10 to glibc 2.31:
    _POSIX_C_SOURCE >= 200809L
  Before glibc 2.10:
    _GNU_SOURCE

sys_siglist:
  Since glibc 2.19:
    _DEFAULT_SOURCE
  glibc 2.19 and earlier:
    _BSD_SOURCE

DESCRIPTION
The **strsignal**() function returns a string describing the signal number passed in the argument *sig*. The string can be used only until the next call to **strsignal**(). The string returned by **strsignal**() is localized according to the **LC_MESSAGES** category in the current locale.

The **sigdescr_np**() function returns a string describing the signal number passed in the argument *sig*. Unlike **strsignal**() this string is not influenced by the current locale.

The **sigabbrev_np**() function returns the abbreviated name of the signal, *sig*. For example, given the value **SIGINT**, it returns the string "INT".

The (deprecated) array *sys_siglist* holds the signal description strings indexed by signal number. The **strsignal**() or the **sigdescr_np**() function should be used instead of this array; see also VERSIONS.

RETURN VALUE
The **strsignal**() function returns the appropriate description string, or an unknown signal message if the signal number is invalid. On some systems (but not on Linux), NULL may instead be returned for an invalid signal number.

The **sigdescr_np**() and **sigabbrev_np**() functions return the appropriate description string. The returned string is statically allocated and valid for the lifetime of the program. These functions return NULL for an invalid signal number.

VERSIONS
sigdescr_np() and **sigabbrev_np**() first appeared in glibc 2.32.

Starting with glibc 2.32, the *sys_siglist* symbol is no longer exported by glibc.

ATTRIBUTES
For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
strsignal()	Thread safety	MT-Unsafe race:strsignal locale
sigdescr_np(), **sigabbrev_np**()	Thread safety	MT-Safe

STANDARDS

strsignal(): POSIX.1-2008. Present on Solaris and the BSDs.

sigdescr_np() and **sigabbrev_np**() are GNU extensions.

sys_siglist is nonstandard, but present on many other systems.

NOTES

sigdescr_np() and **sigabbrev_np**() are thread-safe and async-signal-safe.

SEE ALSO

psignal(3), **strerror**(3)