

NAME

psignal, psiginfo - print signal message

SYNOPSIS

```
#include <signal.h>
```

```
void psignal(int sig, const char *s);
```

```
void psiginfo(const siginfo_t *pinfo, const char *s);
```

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

Feature Test Macro Requirements for glibc (see [feature_test_macros\(7\)](#)):

psignal(): Since glibc 2.19: `_DEFAULT_SOURCE` Glibc 2.19 and earlier: `_BSD_SOURCE` || `_SVID_SOURCE`

psiginfo(): `_POSIX_C_SOURCE` \geq 200809L

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

DESCRIPTION

The **psignal()** function displays a message on *stderr* consisting of the string *s*, a colon, a space, a string describing the signal number *sig*, and a trailing newline. If the string *s* is NULL or empty, the colon and space are omitted. If *sig* is invalid, the message displayed will indicate an unknown signal.

The **psiginfo()** function is like **psignal()**, except that it displays information about the signal described by *pinfo*, which should point to a valid *siginfo_t* structure. As well as the signal description, **psiginfo()** displays information about the origin of the signal, and other information relevant to the signal (e.g., the relevant memory address for hardware-generated signals, the child process ID for **SIGCHLD**, and the user ID and process ID of the sender, for signals set using [kill\(2\)](#) or [sigqueue\(3\)](#)).

The array `sys_siglist` holds the signal description strings indexed by signal number.

RETURN VALUE

The **psignal()** and **psiginfo()** functions return no value.

VERSIONS

The **psiginfo()** function was added to glibc in version 2.10.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
psignal() , psiginfo()	Thread safety	MT-Safe locale

CONFORMING TO

POSIX.1-2008, 4.3BSD.

BUGS

In glibc versions up to 2.12, **psiginfo()** had the following bugs:

- * In some circumstances, a trailing newline is not printed.
- * Additional details are not displayed for real-time signals.

SEE ALSO

[sigaction\(2\)](#), [perror\(3\)](#), [strsignal\(3\)](#), [signal\(7\)](#)

COLOPHON

This page is part of release 4.10 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.