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 >= 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 de-
    scribing 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**() dis-
    plays information about the origin of the signal, and other information relevant to the signal (e.g., the rele-
    vant 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

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