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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'strsignal.3p' command***

***\$ man strsignal.3p***

STRSIGNAL(3P)      POSIX Programmer's Manual      STRSIGNAL(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

strsignal ? get name of signal

### SYNOPSIS

```
#include <string.h>

char *strsignal(int signum);
```

### DESCRIPTION

The `strsignal()` function shall map the signal number in `signum` to an implementation-defined string and shall return a pointer to it. It shall use the same set of messages as the `psignal()` function.

The application shall not modify the string returned. The returned pointer might be invalidated or the string content might be overwritten by a subsequent call to `strsignal()` or `setlocale()`. The returned pointer might also be invalidated if the calling thread is terminated.

The contents of the message strings returned by `strsignal()` should be determined by the setting of the `LC_MESSAGES` category in the current locale.

The implementation shall behave as if no function defined in this stan?

ard calls `strsignal()`.

Since no return value is reserved to indicate an error, an application wishing to check for error situations should set `errno` to 0, then call `strsignal()`, then check `errno`.

The `strsignal()` function need not be thread-safe.

## RETURN VALUE

Upon successful completion, `strsignal()` shall return a pointer to a string. Otherwise, if `signum` is not a valid signal number, the return value is unspecified.

## ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

If `signum` is not a valid signal number, some implementations return `NULL`, while for others the `strsignal()` function returns a pointer to a string containing an unspecified message denoting an unknown signal. POSIX.1?2008 leaves this return value unspecified.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`psiginfo()`, `setlocale()`

The Base Definitions volume of POSIX.1?2017, `<string.h>`

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