

NAME

strtoimax, strtoumax - convert string to integer

SYNOPSIS

```
#include <inttypes.h>
```

```
intmax_t strtoimax(const char *nptr, char **endptr, int base);  
uintmax_t strtoumax(const char *nptr, char **endptr, int base);
```

DESCRIPTION

These functions are just like [strtol\(3\)](#) and [strtoul\(3\)](#), except that they return a value of type *intmax_t* and *uintmax_t*, respectively.

RETURN VALUE

On success, the converted value is returned. If nothing was found to convert, zero is returned. On overflow or underflow **INTMAX_MAX** or **INTMAX_MIN** or **UINTMAX_MAX** is returned, and *errno* is set to **ERANGE**.

ATTRIBUTES

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

Interface	Attribute	Value
strtoimax(), strtoumax()	Thread safety	MT-Safe locale

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99.

SEE ALSO

[imaxabs\(3\)](#), [imaxdiv\(3\)](#), [strtol\(3\)](#), [strtoul\(3\)](#), [wcstoimax\(3\)](#)

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/>.