

NAME

strtoimax, strtoumax – convert string to integer

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

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

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

```
uintmax_t strtoumax(const char *restrict nptr, char **restrict 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

STANDARDS

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

SEE ALSO

imaxabs(3), **imaxdiv(3)**, **strtol(3)**, **strtoul(3)**, **wcstoimax(3)**