

**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
<b>strtoimax()</b> , <b>strtoumax()</b>	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)**