

NAME

atof – convert a string to a double

LIBRARY

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

SYNOPSIS

```
#include <stdlib.h>
```

```
double atof(const char *nptr);
```

DESCRIPTION

The **atof()** function converts the initial portion of the string pointed to by *nptr* to *double*. The behavior is the same as

```
strtod(nptr, NULL);
```

except that **atof()** does not detect errors.

RETURN VALUE

The converted value.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
atof()	Thread safety	MT-Safe locale

STANDARDS

C11, POSIX.1-2008.

HISTORY

POSIX.1-2001, C89, C99, SVr4, 4.3BSD.

SEE ALSO

atoi(3), **atol(3)**, **strfromd(3)**, **strtod(3)**, **strtol(3)**, **strtoul(3)**