

**NAME**

atof – convert a string to a double

**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

**CONFORMING TO**

POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD.

**SEE ALSO**

[atoi\(3\)](#), [atol\(3\)](#), [strfromd\(3\)](#), [strtod\(3\)](#), [strtol\(3\)](#), [strtoul\(3\)](#)

**COLOPHON**

This page is part of release 4.16 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/>.