

**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**

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