

ATOF(III)

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NAME

atof — convert ASCII to floating

SYNOPSIS

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

DESCRIPTION

Atof converts a string to a floating number. *Nptr* should point to a string containing the number; the first unrecognized character ends the number.

The only numbers recognized are: an optional minus sign followed by a string of digits optionally containing one decimal point, then followed optionally by the letter *e* followed by a signed integer.

DIAGNOSTICS

There are none; overflow results in a very large number and garbage characters terminate the scan.

BUGS

The routine should accept initial **+**, initial blanks, and **E** for *e*. Overflow should be signalled.