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 signaled.