NAME

depsln – Double-precision epsilon

SYNOPSIS

Fortran (77, 90, 95, HPF):

f77 *[flags] file(s) . . . -L/usr/local/lib -lgjl*

DOUBLE PRECISION FUNCTION DEPSLN (X)

DOUBLE PRECISION X

C (K&R, 89, 99), C++ (98):

cc *[flags] -I/usr/local/include file(s) . . . -L/usr/local/lib -lgjl*

Use

#include <gampsi.h>

to get this prototype:

fortran_double_precision depsln(const fortran_double_precision *x_);

NB: The definition of C/C++ data types **fortran_** *xxx*, and the mapping of Fortran external names to C/C++ external names, is handled by the C/C++ header file. That way, the same function or subroutine name can be used in C, C++, and Fortran code, independent of compiler conventions for mangling of external names in these programming languages.

DESCRIPTION

Return the smallest representable number, ϵ, such that ($\mathbf{x} + \epsilon$) differs from **x**.

This function is borrowed from the EISPACK library.