NAME

qstorf − Quadruple-precision store and return x

SYNOPSIS

Fortran (77, 90, 95, HPF):

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

REAL*16 FUNCTION qstorf(x)
REAL*16   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_quadruple_precision   qstorf(const   fortran_quadruple_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.

Last code modification: 10-Jun-2000

DESCRIPTION

Store and return **x**, to force a variable into memory.

This action is necessary on some architectures to force an expression to be converted to storage precision, when it might otherwise be held in a machine register at higher internal precision.

SEE ALSO

astore(3), **astorf**(3), **dstore**(3), **dstorf**(3), **qstore**(3).

AUTHORS

The algorithms and code are described in detail in the paper

Algorithm xxx: Quadruple-Precision Gamma(x) and psi(x) Functions for Real Arguments

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