QLOG2(3) QLOG2(3)

NAME

qlog2 – Quadruple-precision log_2(x)

SYNOPSIS

```
Fortran (77, 90, 95, HPF):

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

REAL*16 FUNCTION qlog2(x)

REAL*16 x

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

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

#include <gampsi.h>

to get this prototype:

Use

fortran_quadruple_precision qlog2(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: 01-May-2000

DESCRIPTION

Return the logarithm to the base 2 of \mathbf{x} .

SEE ALSO

alog 2(3), dlog 2(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 in ACM Transactions on Mathematical Software, Volume ??, Number ??, Pages ????--???? and ????--????, 2001, by

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