DLOG2(3)

#### **NAME**

 $dlog2 - Double-precision log_2(x)$ 

### **SYNOPSIS**

Fortran (77, 90, 95, HPF):

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

DOUBLE PRECISION FUNCTION dlog2(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:

 $for tran\_double\_precision \ dlog 2 (const \ for tran\_double\_precision \ * \ x\_);$ 

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.

Last code modification: 01-May-2000

### **DESCRIPTION**

Return the logarithm to the base 2 of x.

# **SEE ALSO**

alog 2(3), qlog 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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