ALOG2(3) ALOG2(3)

NAME

 $alog2 - Single-precision log_2(x)$

SYNOPSIS

```
Fortran (77, 90, 95, HPF):
        f77 [ flags ] file(s) \dots -L/usr/local/lib -lgil
                 REAL FUNCTION alog2(x)
                 REAL
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_real alog2(const fortran_real * 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

 $\boldsymbol{dlog2}(3),\,\boldsymbol{qlog2}(3).$

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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