QNAN(3)

NAME

qnan - Quadruple-precision NaN

SYNOPSIS

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

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

REAL*16 FUNCTION qnan()

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:
```

 $for tran_quadruple_precision\ qnan (void);$

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: 16-Jun-2000

DESCRIPTION

Return a run-time trappable NaN.

SEE ALSO

```
anan(3), dnan(3), isanan(3), isdnan(3), isqnan(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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