

**NAME**

isdinf – Is double-precision x infinite?

**SYNOPSIS**

Fortran (77, 90, 95, HPF):

```
f77 [ flags ] file(s) ... -L/usr/local/lib -lgjl
      LOGICAL FUNCTION isdinf(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:

```
fortran_logical isdinf(const fortran_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: 12-Jun-2000

**DESCRIPTION**

Return .TRUE. if x is infinite, and .FALSE. otherwise.

**SEE ALSO**

**ainf(3), dinf(3), qinf(3), isainf(3), isqinf(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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Nelson H. F. Beebe  
Center for Scientific Computing  
University of Utah  
Department of Mathematics, 110 LCB  
155 S 1400 E RM 233  
Salt Lake City, UT 84112-0090  
Tel: +1 801 581 5254  
FAX: +1 801 581 4148  
Email: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org  
WWW URL: <http://www.math.utah.edu/~beebe>

and

James S. Ball  
University of Utah  
Department of Physics  
Salt Lake City, UT 84112-0830  
USA  
Tel: +1 801 581 8397  
FAX: +1 801 581 6256  
Email: ball@physics.utah.edu  
WWW URL: <http://www.physics.utah.edu/people/faculty/ball.html>