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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'NAN.3' command

\$ man NAN.3			
INFINITY(3)		Linux Programmer's Manual INFINITY(3)	
NAME			
	INFINITY, NAN,	, HUGE_VAL, HUGE_VALF, HUGE_VALL - floating-poin	t con?
	stants		
SYNOPSIS			
	#define _ISOC99	9_SOURCE /* See feature_test_macros(7) */	
	#include <math.h></math.h>		
	INFINITY		
	NAN		
	HUGE_VAL		
	HUGE_VALF		
	HUGE_VALL		
DESCRIPTION			
	The macro INFINITY expands to a float constant representing positive		
	infinity.		
	The macro NAN expands to a float constant representing a quiet NaN		
	(when supported). A quiet NaN is a NaN ("not-a-number") that does not		
	raise exceptions when it is used in arithmetic. The opposite is a sig?		
	naling NaN. See IEC 60559:1989.		
	The macros HUGE_VAL, HUGE_VALF, HUGE_VALL expand to constants of types		
	double, float, and long double, respectively, that represent a large		
	positive value, possibly positive infinity.		

C99.

On a glibc system, the macro HUGE_VAL is always available. Availabil? ity of the NAN macro can be tested using #ifdef NAN, and similarly for INFINITY, HUGE_VALF, HUGE_VALL. They will be defined by <math.h> if _ISOC99_SOURCE or _GNU_SOURCE is defined, or __STDC_VERSION__ is de? fined and has a value not less than 199901L.

SEE ALSO

fpclassify(3), math_error(7)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at https://www.kernel.org/doc/man-pages/.

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