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Rocky Enterprise Linux 9.2 Manual Pages on command 'HUGE_VALL.3'

$ man HUGE_VALL.3

INFINITY(3)   Linux Programmer's Manual   INFINITY(3)

NAME

    INFINITY, NAN, HUGE_VAL, HUGE_VALF, HUGE_VALL - floating-point constants

SYNOPSIS

    #define _ISOC99_SOURCE   /* See feature_test_macros(7) */

    #include <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 signaling 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 infin?

    ity.

CONFORMING TO

    C99.

    On a glibc system, the macro HUGE_VAL is always available. Availability 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_VER?

SION__ is defined 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/.

<p style="text-align:center">2020-12-21   INFINITY(3)</p>