NAME

    trunc, **truncf**, **truncl** - nearest integral value with magnitude less than or equal to |x|

LIBRARY

    Math Library (libm, -lm)

SYNOPSIS

    #include <math.h>

    double
    trunc(*double x*);

    float
    truncf(*float x*);

    long double
    truncl(*long double x*);

DESCRIPTION

    The **trunc**(), **truncf**(), and **truncl**() functions return the nearest integral value with magnitude less than or equal to |*x*|. They are equivalent to **rint**(), **rintf**(), and **rintl**(), respectively, in the FE_TOWARDZERO rounding mode.

SEE ALSO

    ceil(3), fesetround(3), floor(3), math(3), nextafter(3), rint(3), round(3)

STANDARDS

    The **trunc**(), **truncf**(), and **truncl**() functions conform to ISO/IEC 9899:1999 ("ISO C99").

HISTORY

    These routines first appeared in FreeBSD 5.3.