BECOME A MEMBER

ON STEADY

The Bright Side of
Mathematics

Day 24
(Last)

Advent of Mathematical Symbols

Infinity:

∞
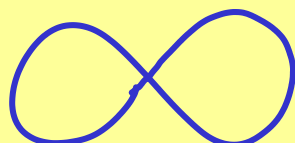
For example: $\displaystyle\lim_{n\to\infty} \frac{1}{n} = 0$

In Measure Theory: $[0, \infty]$

$a + \infty = \infty + a = \infty \quad$ for $\quad a \in [0, \infty]$

$a \cdot \infty = \begin{cases} \infty & \text{for} \quad a \in (0, \infty] \\ 0 & \text{for} \quad a = 0 \end{cases}$