

Sinc

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Notations

Traditional name

Sinc

Traditional notation

$\text{sinc}(z)$

Mathematica StandardForm notation

`Sinc[z]`

Primary definition

01.36.02.0001.01

$$\text{sinc}(z) = \frac{\sin(z)}{z}; z \neq 0$$

01.36.02.0002.01

$$\text{sinc}(0) = 1$$

The below formula accumulates the above definitions for different values z in one expression.

01.36.02.0003.01

$$\text{sinc}(z) = \begin{cases} 1 & z = 0 \\ \frac{\sin(z)}{z} & \text{True} \end{cases}$$

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