BesselYZero

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Notations

Traditional name

Zeros of the Bessel function of the second kind

Traditional notation

$y_{\nu,k}$

Mathematica StandardForm notation

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BesselYZero[ν, k]
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Primary definition

03.26.02.0001.01

$$Y_\nu(z) = 0 \,/;\, z = y_{\nu,k} \bigwedge \nu \in \mathbb{R} \bigwedge k \in \mathbb{N}^+$$

Numbers $y_{\nu,k} \,/;\, k \in \mathbb{N}^+$ form an ascending sequence of zeros of Bessel function of the second kind $Y_\nu(z)$ with real ν located on the positive real axis ($y_{\nu,k}$is the kth root of the equation $Y_\nu(z) == 0$).

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