
#### Abstract

The positive function $\varrho(\nu)$, where $\pm i \varrho(\nu)$ are the imaginary zeros of the second derivative of the Bessel function $J_{\nu}(z)$ of the first kind and order $\nu>-1$, increases for $0<\nu \leq 0.4526$ and decreases for $0.5 \leq \nu<1$. This is in full agreement with the numerical results given by M. K. Kerimov and S. L. Skorokhodov (U.S.S.R. Comput. Math. Math. Phys. 25, No. 6 (1985),101-107).


