
#### Abstract

We show, among other things, that, for $n=0,1$, the negative of the square of a purely imaginary zero of $J_{\nu}^{(n)}(x)$ is unimodal on $(n-2, n-1)$. One of the important tools in the proof is the Mittag-Leffler partial fractions expansion of $J_{\nu+1}(z) / J_{\nu}(z)$.


