

Abstract

Two-side inequalities for the modified Bessel functions $I_\nu(x)$, $K_\nu(x)$ of the first and third kind and of order ν , are established. The chief tool is the monotonicity of the functions $\frac{I_{\nu+1}(x)}{I_\nu(x)}$, $\frac{K_{\nu+1}(x)}{K_\nu(x)}$.