EXTENSIONS OF THE GENERALIZED WILKER INEQUALITY TO BESSEL FUNCTIONS

ÁRPÁD BARICZ AND JÓZSEF SÁNDOR

Abstract. In this note our aim is to extend the weighted and exponential generalization of Wilker’s inequality and the Sándor-Bencze conjectured inequality to Bessel functions of the first kind. Our main motivation to write this note is a recent publication of Wu and Srivastava, which we wish to complement.

Key words and phrases: Bessel functions, Wilker’s inequality, Huygens’ inequality.

REFERENCES