FOURIER SERIES METHOD RELATED TO
WILKER – CUSA – HUYGENS INEQUALITIES

GABRIEL BERCU

Abstract. In this paper we present a new approach of Wilker - Cusa - Huygens inequalities using the Fourier series method for even functions. This approach provides new proofs and refinements of these inequalities.

Mathematics subject classification (2010): 41A21, 42B05, 26D05, 26D15.

Keywords and phrases: Trigonometric functions, Fourier series, analytic inequalities, algorithms, even functions.

REFERENCES