

## 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.

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