

SOME WEIGHTED INEQUALITIES OF CHEBYSHEV TYPE  
VIA RL-APPROACH

MOHAMED BEZZIOU, ZOUBIR DAHMANI, and AMINA KHAMELI

**Abstract.** By using the Riemann-Liouville fractional integral operator, we establish new weighted results of Chebyshev inequality type. Other integral inequalities of fractional order are also proved. Some classical results can be deduced as special cases.

**MSC 2010.** 26D10, 26A33.

**Key words.** Riemann-Liouville integral operator, weighted Chebyshev functional.

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*University of Khemis Miliana, Algeria*  
*Department of Mathematics*  
*UMAB, University of Mostaganem, Algeria*  
*Laboratory LPAM*  
*Faculty of Exact Sciences and Informatics*  
*E-mail: m.bezziou@univ-dbkm.dz*

*UMAB, University of Mostaganem, Algeria*  
*Laboratory LPAM*  
*Faculty of Exact Sciences and Informatics*  
*E-mail: zzdahmani@yahoo.fr*  
*E-mail: khameli.amina@gmail.com*