

CARPATHIAN J. MATH.  
20 (2004), No. 1, 15 - 20

## **A property of the convolution of two $\varphi$ -convex functions**

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**ABSTRACT.** The convolution of two  $\varphi$ -convex functions is estimated by means of an inequality of Hadamard type. The sharpness of this inequality is discussed. As consequence, few inequalities for the convolution of two classically convex functions are obtained, providing us with a possibility of comparing the convolution product of two functions with their ordinary product, in the case of a class of convex functions.

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