Analele Universităţii Oradea
Fasc. Matematica, Tom XX (2013), Issue No. 1, 113–116

ON THE CONVEXITY OF AN INTEGRAL OPERATOR

VASILE MARIUS MACARIE[1] AND DANIEL BREAZ[2]

Abstract. The main object of the present paper is to discuss a convexity property for an integral operator on the classes $\mathcal{UST}(k,\varepsilon)$ and $\beta-\mathcal{UCV}(\alpha)$. Some particular results are presented.

Received 7 February 2012

[1] University of Piteşti, Department of Mathematics, Piteşti, Str. Târgu din Vale, 110040, No.1, Argeş, România, [2] "1 Decembrie 1918" University of Alba Iulia, Department of Mathematics, Alba Iulia, Str. N. Iorga, 510009, No. 11-13, România.
E-mail address: [1] macariem@yahoo.com, [2] dbreaz@uab.ro

2000 *Mathematics Subject Classification.* 30C45.
Key words and phrases. Integral operator, convex, uniformly starlike, uniformly convex.