The Voronovskaja theorem for some linear positive operators defined by infinite sum

DAN MICLĂUŞ and OVIDIU T. POP

ABSTRACT.

The main goal of this paper is to establish a Voronovskaja type theorem for the Szász-Mirakjan-Schurer operators. As a particular case, we get also the Voronovskaja type theorem for the well known Mirakjan-Favard-Szász operators.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
NORTH UNIVERSITY OF BAIA MARE
VICTORIEI 76, 430122 BAIA MARE, ROMANIA
E-mail address: `danmiclausrz@yahoo.com`

NATIONAL COLLEGE "MIHAI EMINESCU"
MIHAI EMINESCU 5, 440014 SATU MARE, ROMANIA
E-mail address: `ovidiutiberiu@yahoo.com`