CARPATHIAN J. MATH. **22** (2006), No. 1 - 2, 65 - 78

## On differences of positive linear operators

HEINER GONSKA, PAULA PIŢUL and IOAN RAȘA

ABSTRACT. We continue our research on the differences of positive linear operators by giving estimates for such differences. Special emphasis is on the Bernstein operators, Beta operators of the second kind as introduced by Lupaş, piecewise linear interpolation at equidistant knots and on certain products of these mappings.

UNIVERSITY OF DUISBURG-ESSEN DEPARTMENT OF MATHEMATICS FORSTHAUSWEG 2, D-47048 DUISBURG, GERMANY *E-mail address*: gonska@math.uni-duisburg.de

UNIVERSITY OF DUISBURG-ESSEN DEPARTMENT OF MATHEMATICS FORSTHAUSWEG 2, D-47048 DUISBURG, GERMANY *E-mail address*: pitul@math.uni-duisburg.de

COLEGIUL NAȚIONAL "SAMUEL VON BRUKENTHAL" STR. PIAȚA HUET, RO-550182 SIBIU, ROMANIA *E-mail address*: pitul\_paula@yahoo.com

TECHNICAL UNIVERSITY DEPARTMENT OF MATHEMATICS STR. C. DAICOVICIU 15, RO-400020 CLUJ-NAPOCA, ROMANIA *E-mail address*: Ioan.Rasa@math.utcluj.ro