# On approximating operators in polynomial weighted spaces

LUCYNA REMPULSKA and MARIOLA SKORUPKA

ABSTRACT. This paper was motivated by approximation results given by the M. Becker ([3]), G. Kirov and L. Popova ([10]) and D. D. Stancu ([16]).

We give approximation theorems for certain linear and positive operators defined in polynomial weighted spaces $C_p$ and $C^r$ of functions of one variable.

INSTITUTE OF MATHEMATICS
POZNÁN UNIVERSITY OF TECHNOLOGY
PIOTROWO 3A, 60-965 POZNÁN, POLAND
*E-mail address*: lrempuls@math.put.poznan.pl
*E-mail address*: mariolas@math.put.poznan.pl