



Banach J. Math. Anal. 8 (2014), no. 2, 146–155

BANACH **J**OURNAL OF **M**ATHEMATICAL **A**NALYSIS

ISSN: 1735-8787 (electronic)

www.emis.de/journals/BJMA/

LUPAŞ-DURRMEYER OPERATORS BASED ON POLYA DISTRIBUTION

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Communicated by S. S. Dragomir

ABSTRACT. The generalization of the Bernstein polynomials based on Polya distribution is considered in the present article. Here, we introduce a mixed summation-integral type operators having Polya and Bernstein basis functions in summation and integration respectively. We establish some direct results which include an asymptotic formula, local and global approximation results for these operators in terms of modulus of continuity.

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Date: Received: Nov. 10, 2013; Accepted: Dec. 16, 2013.

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2010 *Mathematics Subject Classification.* Primary 41A25; Secondary 47B33, 47B38.

Key words and phrases. Durrmeyer variant, Polya distribution, modulus of continuity, asymptotic formula, local and global approximation results.