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A note on mixed summation integral type operators. (English. English, Ukrainian summaries)

Ukrain. Mat. Zh. **59** (2007), no. 8, 1135–1139; translation in *Ukrainian Math. J.* **59** (2007), no. 8, 1258–1263.

In this paper the authors state a saturation theorem in simultaneous approximation for the linear combination of so-called Baskakov-Szász operators (introduced, for the first time, by V. Gupta and G. S. Srivastava in [Bull. Math. Soc. Sci. Math. Roumanie (N.S.) **37(85)** (1993), no. 3-4, 73–85; [MR1408752 \(97c:41027\)](#)]). This study extends previous ones [see V. Gupta and G. S. Srivastava, Fasc. Math. No. 27 (1997), 29–41; [MR1601595 \(98i:41020\)](#); C. P. May, Canad. J. Math. **28** (1976), no. 6, 1224–1250; [MR0435682 \(55 #8640\)](#); P. Gupta and V. Gupta, Fasc. Math. No. 31 (2001), 37–44; [MR1860546 \(2002g:41034\)](#); V. Gupta and P. Maheshwari, Kyungpook Math. J. **43** (2003), no. 3, 315–325; [MR2003476 \(2004e:41021\)](#)] and, moreover, it corrects some misprints in [N. Deo, JIPAM. J. Inequal. Pure Appl. Math. **5** (2004), no. 4, Article 113, 5 pp. (electronic); [MR2112466 \(2005g:41056\)](#)], where Deo claimed to introduce the integral modification of Lupas operators, which are essentially the Baskakov-Szász operators, and proved for them the direct theorems in simultaneous approximation which turn out to be a particular case of the result previously obtained by Gupta and Srivastava in [op. cit.; [MR1408752 \(97c:41027\)](#)].

Reviewed by *Vita Leonessa*

References

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Note: This list reflects references listed in the original paper as accurately as possible with no attempt to correct errors.

