

# Turkish Journal of Mathematics

Turkish Journal

Higher Order Generalization of Positive Linear Operators Defined by a Class of Borel Measures

of

Mathematics

Oktay DUMAN



TOBB Economics and Technology University,

Faculty of Arts and Sciences,

Department of Mathematics,

Söğütözü 06530, Ankara-TURKEY

e-mail: oduman@etu.edu.tr

 [Keywords](#)  
 [Authors](#)

**Abstract:** In the present paper, we introduce a sequence of linear operators, which is a higher order generalization of positive linear operators defined by a class of Borel measures studied in [2]. Then, using the concept of A-statistical convergence we obtain some approximation results which are stronger than the aspects of the classical approximation theory.



**Key Words:** Statistical convergence, A-statistical convergence, positive linear operators, regular matrices, the elements of the Lipschitz class, Korovkin-type approximation theorem

[math@tubitak.gov.tr](mailto:math@tubitak.gov.tr)

[Scientific Journals Home](#)  
[Page](#)

---

Turk. J. Math., **31**, (2007), 333-339.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.31, iss.3.](#)