# Approximation by generalized Bleimann-Butzer-Hahn operators of max-product kind

SULE YUKSEL GUNGOR

*Department of Mathematics, Gazi University, Ankara, Turkey*

sulegungor@gazi.edu.tr

The nonlinear Bleimann-Butzer-Hahn operators of max-product kind proposed in [2] and studied intensively in [1]. We give a generalization of these operators which are constructed using the sequences of positive real numbers and we obtain a quantitative type theorem for these operators.

*The talk is based on collaborations with Professor Nurhayat İspir.*

[1] B. Bede, L. Coroianu and S. G. Gal, *Approximation and shape preserving properties of the nonlinear Bleimann-Butzer-Hahn operators of max-product kind*, Comment. Math. Univ. Carolin. **51** (3) (2010), 397-415.

[2] S. G. Gal, *Shape-preserving approximation by real and complex polynomials*, Birkhäuser, Boston-Basel-Berlin, 2008.