

ON SATURATION IN SIMULTANEOUS APPROXIMATION. BIVARIATE CASE

D. Cárdenas-Morales¹, A. Fraguela², P. Garrancho^{3,*}

^{1,3} *Department of Mathematics, University of Jaén, Campus Las Lagunillas, 23071 Jaén, Spain.*

² *Benemérita Universidad Autónoma de Puebla, Av. San Claudio y 18 sur San Manuel CU., 72570 Puebla, Pue., Mexico.*

[{cardenas,garrancho}@ujaen.es,fraguela@fcfm.buap.mx]

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In this talk we present a result on the saturation of sequences of linear operators in a multivariate and simultaneous setting. Specifically, a small o saturation result is obtained for the partial derivatives of the classical Bernstein bivariate operators on the unit simplex. Interested in the solution of the complete saturation problem, the authors propose a definition of convexity with respect to a partial differential equation.

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