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Dedicated to Professor Ion PĂVĂLOIU on his 60th anniversary

**REGULARITY OF BERNSTEIN-ROGOSINSKI-TYPE MEANS
OF DOUBLE FOURIER SERIES**

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Abstract

Regularity of Bernstein-Rogosinsky-type means for Fourier series of continuous functions in two variables is investigated. Here partial sums of double Fourier series are generated by right polygons. Results obtained are negative if the number of sides of mentioned polygons is both odd or even.