Approximation by summation-integral type operators involving Brenke polynomials

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In this study, we introduce a sequence of summation-integral type operators linking generalized Brenke-Szász type and general Szász basis functions. A local and direct approximation theorem by means of Ditzian-Totik modulus of smoothness are obtained.The rate of convergence in terms of the Lipschitz class and the Lipschitz type maximal function is investigated.

MSC 2010: 41A25, 41A35, 41A36
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