

A GENERALIZATION OF CESARO POLYNOMIALS IN SEVERAL VARIABLES

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Abstract

Cesaro polynomials were introduced and investigated in 1978, and then have been cited in several articles [1, 2]. In this sequel, by modifying Lin et al. show how to generalize the Cesaro polynomials in one variables to present two generating functions of the generalized Cesaro polynomials $g_n(s)(\lambda, x)$ [6]. Very recently, M. A. Malik introduced and investigated Cesaro polynomials in two and three variables to give their generating functions [3]. Subsequently, N. Özmen investigated the generating functions for the q analogue of generalized Cesaro polynomials [7]. In this paper, new multivariate generalized Cesaro polynomials will be obtained. Two new generating functions will be given and some special properties of this polynomial will be examined.

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