DIFFERENTIAL EQUATIONS OF 3-VARIABLE 4-PARAMETER GENERALIZED HUMBERT POLYNOMIALS

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Abstract

Srivastava et al. [H. M. Srivastava, W. A. Khan and H. Haroon, Some expansions for a class of generalized Humbert matrix polynomials, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales, Serie A. Matemáticas 113(4) (2019), 3619-3634.] defined the 3-variable 4-parameter generalized Humbert matrix polynomials. We define 3-variable 4-parameter generalized polynomials, and examine differential equations satisfied by them.