DIFFERENTIAL EQUATIONS OF 3-VARIABLE 1-PARAMETER GEGENBAUER POLYNOMIALS

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Abstract

Dattoli et al. [G. Dattoli, S. Lorenzutta and C. Cesarano, From Hermite to Humbert polynomials, Rend. Istit. Mat. Univ. Trieste 35(1-2) (2003), 37-48] defined the 3-variable 1-parameter Gegenbauer polynomials. We examine differential equations satisfied by them.