REPRESENTATION OF THE LIE ALGEBRA $G(0, 1)$ AND 2-VARIABLE TRUNCATED EXPONENTIAL POLYNOMIALS

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Abstract

Dattoli et al. [G. Dattoli, M. Migliorati and H. M. Srivastava, A class of Bessel summation formulas and associated operational methods, Fract. Clac. Appl. Anal. 7(2) (2004), 169-937] (see also [S. Khan, G. Yasmin and N. Ahmad, On a new family related to truncated exponential and Sheffer polynomials, J. Math. Anal. Appl. 418 (2014), 921-937]) defined the 2-variable truncated exponential polynomials of order m. Using them, we give a representation of the Lie algebra $G(0, 1)$.