



**REPRESENTATION OF LIE ALGEBRA T_3 AND
2-VARIABLE TRICOMI FUNCTIONS**

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Abstract

Dattoli et al. [G. Dattoli, C. Cesarano and D. Sacchetti, Pseudo-Bessel functions and applications, Georgian Math. J. 9(3) (2002), 473-480] defined the 2-variable Tricomi function $C_n(x, y)$. Using them, we give a representation of the 3-dimensional Lie algebra T_3 [Willard Miller, Jr., Lie theory and special functions, Mathematics in Science and Engineering, Vol. 43, Academic Press, New York and London, 1968].

Keywords and phrases: 2-variable Tricomi functions, Lie algebra T_3 .

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