



**REPRESENTATION OF LIE ALGEBRA T_3 AND
2-VARIABLE 1-PARAMETER GENERALIZED
BESSEL FUNCTIONS**

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Received November 27, 2019

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 1-parameter generalized Bessel functions $J_n^{(m)}(x, y; \tau)$. Using them, we give a representation of the Lie algebra T_3 .

Keywords and phrases: Lie algebra T_3 , 2-variable 1-parameter generalized Bessel functions.

Pioneer Journal
of Mathematics
and Mathematical
Sciences



Pioneer Scientific
Publisher