



**REPRESENTATION OF LIE ALGEBRA T_3 AND 3-VARIABLE
2-PARAMETER BESSEL FUNCTIONS**

Tadayoshi Takebayashi

Received November 13, 2019; Revised November 25, 2019

Abstract

Dattoli et al. [G. Dattoli, M. Migliorati, and H. M. Srivastava, Some families of generating functions for the Bessel and related functions, Georgian Math. J. 11(2) (2004), 219-228] defined the 3-variable 2-parameter Bessel function. Using them, we give a representation of the Lie algebra T_3 .

Keywords and phrases: Lie algebra T_3 , 3-variable 2-parameter Bessel function.

**Pioneer Journal
of Mathematics
and Mathematical
Sciences**



**Pioneer Scientific
Publisher**