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

Tadayoshi Takebayashi

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.