REPRESENTATION OF THE LIE ALGEBRA K_5 AND LAGUERRE 2*D* FUNCTIONS

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Abstract

In [Subuhi Khan and Ghazala Yasmin, On generating relations involving Laguerre 2*D* functions, Proceedings of the Fourth International Conference of the Society for Special Functions and their Applications (SSFA), Soc. Spec. Funct. Appl., Chennai, (2003), pp. 101-110], S. Khan and G. Yasmin constructed a representation of the Lie algebra $G(0, 1)$ using the Laguerre 2*D* functions. We give a representation of the Lie algebra K_5 by using their result.