



**REPRESENTATION OF THE LIE ALGEBRA  $G(0, 1)$  AND  
TWO-VARIABLE MODIFIED LAGUERRE  
MATRIX POLYNOMIALS**

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**Abstract**

In [Subuhi Khan and Nader Ali Makboul Hassan, 2-variable Laguerre matrix polynomials and Lie-algebraic techniques, J. Phys. A 43(23) (2010), 235204, pp.1-21], S. Khan and N. A. M. Hassan constructed a representation of the Lie algebra  $G(0, 1)$  by using the 2-variable modified Laguerre matrix polynomials. We give another representation of  $G(0, 1)$  by the similar method.

**Keywords and phrases:** Lie algebra  $G(0, 1)$ , modified Laguerre matrix polynomials.

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