

REPRESENTATION OF THE LIE ALGEBRA *sl*(2) AND TWO-VARIABLE LAGUERRE POLYNOMIALS

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Abstract

In [S. Khan and G. Yasmin, Lie-theoretic generating relations of two-variable Laguerre polynomials, Rep. Math. Phys. 51(1) (2003), 1-7], S. Khan and G. Yasmin constructed a representation of the Lie algebra sl(2) by using the 2-variable Laguerre polynomials. We give another representation of sl(2) by the similar method.

Keywords and phrases: two variable Laguerre polynomials, Lie algebra sl(2).

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