



DIFFERENTIAL EQUATIONS OF TWO-VARIABLE LAGUERRE POLYNOMIALS

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Abstract

Bin-Saad and Ai-Sayaad [M. G. Bin-Saad and A. A. Ai-Sayaad, Study of two variable Laguerre matrix polynomials via symbolic operational images, AJOMCOR 2(1) (2015), 42-50.] defined the two-variable Laguerre matrix polynomials. We define two-variable Laguerre polynomials $L_{n,m}^{(p,\lambda)}(x, y)$, and examine differential equations satisfied by them.

Keywords and phrases: differential equations, two-variable Laguerre polynomials.

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