

REPRESENTATION OF THE LIE ALGEBRA K₅ AND LAGUERRE 2D POLYNOMIALS

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Abstract

In [S. Khan, Harmonic oscillator group and Laguerre 2D polynomials, Rep. Math. Phys. 52(2) (2003), 227-234], S. Khan constructed a representation of the Lie algebra G(0, 1) using the Laguerre 2D polynomials. We give a representation of the Lie algebra K_5 by the similar method.

Keywords and phrases: Lie algebra K₅, Laguerre 2D polynomials.

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