

REPRESENTATION OF LIE ALGEBRA K_5 AND GOULD-HOPPER-GENOCCHI POLYNOMIALS

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Abstract

We give a representation of the Lie algebra K_5 [Willard Miller, Jr., Lie theory and special functions, Mathematics in Science and Engineering, Vol. 43, Academic Press, New York and London, 1968], by using the Gould-Hopper-Genocchi polynomials [S. Khan and N. Raza, General-Appell polynomials within the context of monomiality principle, Int. J. Anal. (2013), 1-11].

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