



**REPRESENTATION OF THE LIE ALGEBRA K_5 AND
RESULTANT GOULD-HOPPER-HERMITE
POLYNOMIALS**

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Abstract

S. Khan and M. Riyasat [S. Khan and M. Riyasat, Determinant approach to certain mixed special polynomials related to Gould-Hopper polynomials, Applied Math. and Computation 251 (2015), 599-614] defined the resultant Gould-Hopper-Hermite polynomials. Using them, we give a representation of the Lie algebra K_5 .

Keywords and phrases: Lie algebra K_5 , resultant Gould-Hopper-Hermite polynomials.

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