



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

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Abstract

We define generalized Gould-Hopper-Genocchi polynomials of order α , and using them, we give a representation of the Lie algebra K_5 .

Keywords and phrases: Lie algebra K_5 , generalized Gould-Hopper-Genocchi polynomials.

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