



**REPRESENTATION OF LIE ALGEBRA K_5
AND GENOCCHI POLYNOMIALS**

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Abstract

Dattoli et al. [G. Dattoli, M. Migliorati and H. M. Srivastava, Sheffer polynomials, monomiality principle, algebraic methods and the theory of classical polynomials, *Mathematical and Computer Modeling* 45 (2007), 1033-1041] defined the Genocchi polynomials $G_n(x)$. Using them, we give a representation of the Lie algebra K_5 .

Keywords and phrases: Lie algebra K_5 , Genocchi polynomials.

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