



**DIFFERENTIAL EQUATION OF THREE-VARIABLE
TRIBONACCI TYPE POLYNOMIALS**

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Abstract

Using the results G. Ozdemir et al. [Gulsah Ozdemir, Yilmaz Simsek and Gradimir V. Milovanović, Generating functions for special polynomials and numbers including Apostol-type and Humbert-type polynomials, *Mediterr. J. Math.* 14(3) (2017), Art. 117, pp. 17] and C. Kizilateş et al. [C. Kizilateş, B. Çekim, N. Tuğlu and T. Kim, New families of three-variable polynomials coupled with well-known polynomials and numbers, *Symmetry* 11(2) (2019), 264], we define three-variable tribonacci type polynomials, and examine differential equation satisfied by them.

Keywords and phrases: differential equation, three-variable tribonacci type polynomials.

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