



**DIFFERENTIAL EQUATION OF ASSOCIATED
GENERALIZED HUMBERT POLYNOMIALS**

$$U_{n,m}^{(\alpha)}(x; c)$$

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Abstract

W. Wang and H. Wang [Weiping Wang and Hui Wang, Generalized Humbert polynomials via generalized Fibonacci polynomials, Appl. Math. Comput. 307 (2017), 204-216] defined the generalized Humbert polynomials $U_{n,m}^{(\alpha)}(x)$. We define associated generalized Humbert polynomials $U_{n,m}^{(\alpha)}(x; c)$, and examine differential equation satisfied by them.

Keywords and phrases: differential equations, generalized Humbert polynomials.

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