

## DIFFERENTIAL EQUATIONS OF ASSOCIATED GENERALIZED HUMBERT POLYNOMIALS

 $W_{j,m,n}^{(\alpha)}(x, y, z; c)$ 

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Received December 19, 2019

## Abstract

## ISSN: 2230-9829

Pioneer Journal of Mathematics and Mathematical Sciences



We define associated generalized Humbert polynomials  $W_{j,m,n}^{(\alpha)}(x, y, z; c)$ , (Weiping Wang and Hui Wang, Generalized Humbert polynomials via generalized Fibonacci polynomials, Appl. Math. Comput. 307 (2017), 204-216; M. A. Pathan and W. A. Khan, On a class of Humbert-Hermite polynomials, preprint, 2019) and examine differential equations satisfied by them.

Keywords and phrases: differential equations, generalized Humbert polynomials.