



DIFFERENTIAL EQUATIONS OF GENERALIZED
HUMBERT POLYNOMIALS

$$Q_{n,m,p}^{a,b,c,d}(x, y)$$

Tadayoshi Takebayashi

Received November 27, 2019

Abstract

Pathan and Khan [Mahmood Ahmad Pathan and Nabiullah Khan, A unified presentation of a class of generalized Humbert polynomials in two variables, ROMAI J. 11(2) (2015), 185-199] (see also [H. M. Srivastava, W. A. Khan and H. Haroon, Some expansions for a class of generalized Humbert matrix polynomials, Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales, Serie A, Matemáticas 113(4) (2019), 3619-3634]) defined the generalized Humbert polynomials

$Q_{n,m,p}^{a,b,c,d}(x, y)$. We examine differential equations satisfied by them.

Keywords and phrases: differential equations, generalized Humbert polynomials.

Pioneer Journal
of Mathematics
and Mathematical
Sciences



Pioneer Scientific
Publisher