ON CLASSICAL LAGRANGE TYPE POLYNOMIALS

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Abstract

We define classical Lagrange type polynomials [Arthur Erdélyi, Wilhelm Magnus, Fritz Oberhettinger and Francesco G. Tricomi, Higher Transcendental Functions, Vol. III, McGraw-Hill Book Company, Inc., New York, Toronto, London, 1955] (see also [Rabia Aktaş, Abdullah Altin and Fatma Taşdelen, A note on a family of two-variable polynomials, J. Comput. Appl. Math. 235(16) (2011), 4825-4833]), and examine differential relations satisfied by them.