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# AN EXTENSION OF THE CHEBYSHEV POLYNOMIALS OF THE THIRD AND FOURTH KINDS 

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## Abstract

We consider a generalization of the Chebyshev polynomials of the third and fourth kinds according to the idea given in the cases of the first and second kinds in [K. Kiepiela and D. Klimek, An extension of the Chebyshev polynomials, J. Comput. Appl. Math. 178(1-2) (2005), 305-312], [S. Kanas and A. Tatarczak, Constrained coefficients problem for generalized typically real functions, Complex Var. (2016)].

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