

## SPECIAL q-CHEBYSHEV POLYNOMIALS OF THE THIRD AND FOURTH KINDS

Tadayoshi Takebayashi

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Abstract

We define special *q*-Chebyshev polynomials of the third and fourth kinds according to the idea [J. Cigler, Some remarks about *q*-Chebyshev polynomials and *q*-Catalan numbers and related results, preprint] in the cases of the first and second kinds.

**Keywords and phrases:** special *q*-Chebyshev polynomial, Chebyshev polynomials of the third and fourth kinds.

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