

Some identities of type 2 q -Daehee and type 2 q -Changhee polynomial and numbers

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Abstract of paper

The purpose of this paper is to introduce and study type 2 q -Daehee and type 2 q -Changhee polynomials and numbers by virtue of the p -adic q -integral on \mathbb{Z}_p . Kim-Kim introduced type 2 q -Bernoulli and type 2 q -Euler polynomial and obtained the sum of consecutive odd positive q -integers and alternating sums of consecutive odd q -integers. In this paper, we obtained the results are among other special polynomial and numbers, identities regarding Carlitz's q -Bernoulli polynomials and numbers and Carlitz's q -Euler polynomials and numbers.

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