

Özden, Hacer; Cangül, İsmail Naci; Simsek, Yilmaz

Remarks on q -Bernoulli numbers associated with Daehee numbers. (English) Zbl 1188.05005
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Summary: We study on Carlitz's type q -Bernoulli numbers, q -Frobenius-Euler numbers and Daehee numbers and polynomials. We also give p -adic integral representation of the twisted Daehee polynomials. By using this representation, we find Raabe-type multiplication formula for the twisted Daehee polynomials.

MSC:

- 11B68 Bernoulli and Euler numbers and polynomials
- 05A10 Factorials, binomial coefficients, combinatorial functions
- 11S80 Other analytic theory (analogues of beta and gamma functions, p -adic integration, etc.)
- 11B65 Binomial coefficients; factorials; q -identities
- 33D99 Basic hypergeometric functions

Cited in **51** Documents

Keywords:

p -adic integral; twisted Daehee numbers; twisted Daehee polynomials; Bernoulli numbers; Bernoulli polynomials; Euler numbers