PARTIALLY AND FULLY DEGENERATE BERNOULLI POLYNOMIALS OF THE SECOND KIND

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Abstract

In this paper, by means of p-adic Volkenborn integrals we introduce and study two different degenerate versions of the Bernoulli polynomials of second kind, namely the partially and fully degenerate Bernoulli polynomials of the second kind and also their higher-order versions. We derive several explicit expressions of those polynomials and various identities involving them.

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