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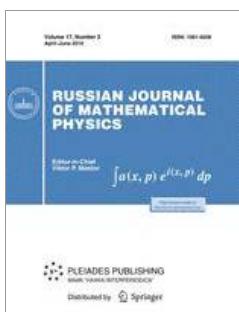
Russian Journal of Mathematical Physics

June 2010, Volume 17, Issue 2, pp 251-261

A new generalization of the Bernoulli and related polynomials

Abstract

In this paper, we introduce and investigate a generalization of the Bernoulli polynomials by means of a suitable generating function. We establish several interesting properties of these general polynomials. Furthermore, we give explicit series representations for these general polynomials in terms of a certain generalized Hurwitz-Lerch zeta function and the familiar Gauss hypergeometric function.



15 Citations

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About this Article

Title

A new generalization of the Bernoulli and related polynomials

Journal

Russian Journal of Mathematical Physics

Volume 17, Issue 2 , pp 251-261

Cover Date

2010-06-01

DOI

10.1134/S1061920810020093

Print ISSN

1061-9208

Online ISSN

1555-6638

Publisher

SP MAIK Nauka/Interperiodica

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