

THE THEOREMS ON THE B-B POLYNOMIALS DEFINED ON A SIMPLEX IN THE BLOSSOMING FORM

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摘要

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THE THEOREMS ON THE B-B POLYNOMIALS DEFINED ON A SIMPLEX IN THE BLOSSOMING FORM

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Abstract In this paper, an explicit expression of the blossom by the means of the B--form of B-B polynomial defined on a simplex is given. With its help, new but very short and simple blossom proofs of the most important theorems on B-B polynomials are derived, such as the degree elevation formula, the subdivision and the change of the underlying simplex procedure, the control points convergence property, the Marsden's identity.

Key words

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