

LANDAU-KOLMOGOROV TYPE INEQUALITIES FOR THE HERMITE AND CLOSELY CONNECTED MEASURES

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Different types of polynomial inequalities have been studied since more one century. The first type is the so-called Markov-Bernstein inequalities (A. A. Markov in 1889 [5]). More recently other inequalities involving the L^2 -norm for the Hermite measure were given (see Bojanov and Varma [2], Alves and Dimitrov [1]). Inequalities given in the previous papers are particular cases of the more general ones which can be obtained by using the variational method. The basis of our study can be found in the papers of Draux and Elhami ([3], [4]). In this talk we will present the Landau-Kolmogorov inequalities obtained in the case of Hermite and closely connected measures.

References

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