

Uniqueness theorem for linear elliptic equation of the second order with constant coefficients

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Abstract

© 2017, Allerton Press, Inc. The interior uniqueness theorem for analytic functions was generalized by M. B. Balk to the case of polyanalytic functions of order n . He proved that if the zeros of a polyanalytic function have an accumulation point of order n , then this function is identically zero. In this paper the interior uniqueness theorem is generalized to the solution to a linear homogeneous second order differential equation of elliptic type with constant coefficients.

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Keywords

elliptic equation, uniqueness theorem

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