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ON BASICITY OF SYSTEMS FROM FABER GENERALIZED POLYNOMIALS

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Abstract

In the paper, a double system from Faber's generalized polynomials is determined. The basicity of this system is proved in Lebesgue spaces $L_p(\Gamma), 1 < p < +\infty$, where Γ is a Lyapunov or Radon curve on a complex plane. At the same time, basicities of systems from Faber generalized polynomials are proved in Smirnov spaces E_p.

Key Words and Phrases : *Approximation, Faber system, Basicity, Smirnov space.*

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