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Growth Majorants and Quotient Representations of Meromorphic Functions

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Abstract. The classes Λ of meromorphic functions in \mathbb{C} of finite λ -type were introduced and studied by L. A. Rubel and B. A. Taylor. The representation problem for meromorphic functions from Λ as quotients of entire functions from Λ without common zeroes, the so-called canonical quotient representations, is considered, in this paper. It is shown that this problem reduces to the study of growth majorant properties of entire functions with restrictions on their zero quantities.

Keywords. Entire functions, meromorphic functions, growth estimates, Nevanlinna theory.

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