UNIFORM CONVERGENCE OF HERMITE-PAD APPROXIMANTS FOR DIFFERENT SYSTEMS OF MARKOV TYPE FUNCTIONS

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This talk deals with simultaneous rational approximation. In particular we study type I and type II Hermite-Pad approximants of analytic and meromorphic functions of Markov type. In the literature one can find a number of results on the convergence of type II Hermite-Pad approximants, in this talk we present recent result about the convergence of type I Hermite-Pad approximants to a Nikishin system which has been perturbed by rational functions. This kind of problem was first study by A.A Gonchar in 1975 for the usual Pad approximantion.

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