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**Efficient Analytic Continuation of Power Series by Matrix Summation Methods**

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**Abstract.** In this paper we discuss some problems on efficient analytic continuation of power series in the complex plane by means of summability methods, given by “universal” matrices. First, we present a new class of sets differing from domains, allowing efficient summation by those methods; after that, we establish the existence of those methods for the local restoration of the analytic continuation of power series in arbitrary domains.

**Keywords.** Analytic element, analytic continuation, matrix summation.

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