

A GENERALIZATION OF TATE ALGEBRAS IN ONE INDETERMINATE OVER LOCAL NON-ARCHIMEDEAN FIELDS

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Abstract. The Tate algebras T_n over a complete non-archimedean field K , consisting of all power series in n variables converging on the "closed" unit polydisc in K^n , lead to the definition of affinoid algebras ([2], Part B or [3], Ch.2). In this paper, by using particular series of functions converging on the closed unit disc in K , we extend the algebra T_1 over a local non-Archimedean field.

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