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Kamal Boussaf* (kamal.boussaf@math.univ-bpclermont.fr), Mathématiques, University Blaise Pascal, Les Cézeaux, 63177 Aubiere, Puy de Dom, France. *Non-convergent SRU's for analytic elements in a p-adic field.*

Let K be a complete ultrametric algebraically closed field. We study sets of range uniqueness (SRU's) in a p-adic field K for analytic elements. We find monotonous distances sequences which appear to be SRU's completely different from those known in the complex field. On the other hand, most of open closed sets can't be SRU's (Received September 19, 2005)