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### On limit sets of contractive functions on p-adic field (Conference Paper)

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#### Abstract

In the present paper, we define unconventional limit set of contractive functions on the unit ball of the p-adic numbers. Main result of the present paper states that the unconventional limit set is compact. Our results will open new perspective to the theory of self-similarity in a non-Archimedean setting. © 2016 Author(s).

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