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Clement Boateng Ampadu* (drampadu@hotmail.com), 31 Carrolton Road, West Roxbury, MA 02132. *Fixed Point Theorems in Multiplicative Soft Metric Spaces and Multiplicative Quasi-Dislocated Soft Metric Spaces.*

Multiplicative metric was introduced in [A.E. Bashirov, E.M. Kurpinar and A. Ozyapıcı, Multiplicative calculus and its applications, J. Math.Analy. App., 337(2008) 36-48]. On the other hand soft set theory was introduced in [D. Molodtsov, Soft set-theory-first results, Comput. Math. Appl.37(1999) 19-31]. Soft metric spaces have been investigated, see for example [Sujoy Das and S. K. Samanta, Soft metric, Annals of Fuzzy Mathematics and Informatics, 6(1) (2013) 77-94]. In the first part of this talk we introduce a concept of soft multiplicative metric spaces, and prove some fixed point theorems of contractive mappings on soft multiplicative metric spaces.

In [Zeyada et.al, The Arabian Journal of Science and Engineering, 31, 111-114 (2005)] the notion of dislocated quasi-metric space was introduced. On the other hand in [Aage et.al, Applied Mathematical Sciences, 2, 2941-2948 (2008)] dislocated quasi metric version of Kannan mapping theorem was proved. In the second part of this talk a notion of multiplicative dislocated soft quasi metric space is introduced, and some fixed point theorems for contractions and Kannan mappings are derived. (Received July 05, 2015)