



Department of Mathematical Sciences

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Colloquium Series

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Dr. Nesrin Manav

Gazi University, Ankara, Turkey
UTEP

A note on Ćirić's Fixed Point Theorem in Generalized Modular Metric Spaces

We investigate a new structure, called generalized modular metric distance, which is more general than generalized metric distance introduced by Jleli and Samet in [1]. The originality of our generalization is the fact that it captures the modular metric distance as a special case. After investigating some of the topological properties of the generalized modular metric distances, we proceed to establish the Banach contraction principle and Ćirić's fixed point theorem in generalized modular metric spaces. We also point out that the extension of Ćirić's fixed point theorem done by the authors in [1] is not correct.

[1]M. Jleli and B. Samet, A Generalized Metric Space and Related Fixed Point Theorems, *Fixed Point Theory and Appl.*, 2015:61, 14(2015).

Host: Dr. M. Amine Khamsi

For further information, please contact
Drs. Emil Schwab or Xiaogang Su,
eschwab@utep.edu or xsu@utep.edu

