Electronic Journal: Southwest Journal of Pure and Applied Mathematics
Internet: http://rattler.cameron.edu/swjpam.html
ISSN 1083-0464
Issue 2, December 2003, pp. 1–5.
Submitted: April 15, 2003. Published: December 31 2003.

τ-DISTANCE IN A GENERAL TOPOLOGICAL SPACE (X,τ) WITH APPLICATION TO FIXED POINT THEORY

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Abstract. The main purpose of this paper is to define the notion of a τ-distance function in a general topological space (X,τ). As application, we get a generalization of the well known Banach's fixed point theorem.

A.M.S. (MOS) Subject Classification Codes. 54A05, 47H10, 54H25, 54E70

Key Words and Phrases. Hausdorff topological spaces, Topological spaces of type F, symmetrizable topological spaces, Fixed points of contractive maps

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