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**Mohamed A Khamsi\*** (mohamed@utep.edu), Department of Mathematical Sciences, 500 West University Ave, El Paso, TX 79968. *Reflexive Metric Spaces and The Fixed Point Property.*

As for the linear case, compactness for the strong topology is very restrictive. Since the beginning of the fixed point theory, weak-compactness offered an acceptable alternative in Banach spaces. But when we deal with metric spaces, this natural extension is no longer easy to implement. One has to go back to the linear case and investigate the weak-topology with a new eye. First it is quite striking that convex subsets are closely related to the weak-topology. So it is natural to consider such concept in metric spaces. Two main directions have attracted most of the attention: the Menger convexity, and convexity structures. Depending on the metric space at hand, one of the two concepts rise higher. In this talk we will investigate where what is known so far and present some open related questions. (Received February 24, 2010)