1039-46-22   **Mohamed A Khamsi***, Department of Mathematical Sciences, 500 West University Ave, El Paso, TX 79968. *Uniformly Convex Metric Spaces.*

Uniform convexity in linear vector spaces played a major role with many applications in the geometry of Banach spaces as well as for other areas like metric fixed point theory. But when one tries to extend these ideas to metric spaces, many difficulties rise, like the extension of convexity to metric spaces. In this talk we will discuss some of these extensions and give some interesting examples, like CAT(0) spaces and metric trees. We will also discuss and prove some interesting results like reflexivity and super-reflexivity of uniformly convex spaces. (Received February 14, 2008)