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Mostafa Ghandehari* (ghandeha@uta.edu), Civil Engineering, University of Texas at Arlington, Box 19308, Arlington, TX 76019. *Erdos-Mordell inequality in the Minkowski plane*. Preliminary report.

In the Euclidean plane Erdos-Mordell inequality indicates that the sum of distances of an interior point of a triangle to vertices is greater than or equal to twice the sum of distances to the sides. A generalization in the Minkowski plane is given. Examples where the unit circles of the Minkowski plane are regular polygons are discussed. (Received July 23, 2011)