1080-52-39 **Zokhrab Mustafaev*** (mustafaev@uhcl.edu), 2700 Bay Area Blvd, Houston, TX 77058, and **Horst Martini** (horst.martini@mathematik.tu-chemnitz.de), University of Technology Chemnitz, 09107 Chemnitz, Germany. *One the unit ball and isoperimetrix in Minkowski spaces.* Preliminary report.

One of the challenging open problems of Minkowski Geometry is that whether the unit ball must be an ellipsoid if it is a solution of the isoperimetric problem for higher-dimensional Minkowski spaces. For d=2, apart from ellipses, the Radon curves have that property as well. In this talk, we discuss this problem for the Holmes-Thompson and Busemann measures in higher-dimensional Minkowski spaces. (Received December 12, 2011)