1068-32-169 **S. Merenkov** (merenkov@illinois.edu) and **K. Wildrick*** (kevin.wildrick@jyu.fi), Matematiikan ja Tilastotieteen Laitos, Jyväskylän Yliopisto, 40200 Jyväskylä, Finland.

Quasisymmetric Koebe Uniformization. Preliminary report.

In 1909, Koebe conjectured that every domain in $\mathbb{S}^2$ is conformally equivalent to a circle domain, i.e., a domain whose complementary components are points and round disks. The conjecture was confirmed for finitely connected domains by Koebe in the 1920's, and in the countable case 70 years later by He and Schramm. Motivated by the Kleiner-Kapovich conjecture in geometric group theory, we present a quasisymmetric version of Koebe's conjecture in the general metric setting. We prove a positive result under natural conditions and provide an example showing sharpness in some respects. (Received January 17, 2011)