1067-30-507   **Christopher T. Sass*** (`sass@math.utk.edu`), 4614 Florence Rd., Knoxville, TN 37920, and **G. Brock Williams*** (`brock.williams@ttu.edu`), Department of Mathematics and Statistics, Texas Tech University, Lubbo ck, TX 79409. *Circle Packings on Affine Tori.* Preliminary report.

In 1990 Beardon and Stephenson proved the existence and uniqueness of conformal structures on Riemann surfaces which support circle packings. A more general result for genus 1, the existence and uniqueness of circle packings on affine tori, will be presented. Face labels, a generalization of vertex labels, will be introduced, a new proof of the existence of vertex packing labels on conformal tori will be presented, and it will be shown that a modication of this argument establishes the existence of affine packing labels for combinatorial tori. We will also describe how Brooks' continued fraction parameter can be used to compute coordinates in the moduli space of conformal tori. (Received September 07, 2010)