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G. Brock Williams* (brock.williams@ttu.edu), Dept of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409. *Circle Packing Coordinates for Riemann Surfaces.*

Since William Thurston's work in the 1980's, circle packings have been intensely studied for their connection to conformal maps. We will use the combinatorial structure of generalized Brooks packings to describe coordinates for the moduli space (the space of conformal equivalence classes) of Euclidean tori. (Received February 17, 2010)