1014-30-306 **G. Brock Williams*** (`brock.williams@ttu.edu`), Dept of Mathematics and Statistics, Texas Tech Univeristy, Lubbock, TX 79409. *Quasiconformal Connections Between Continued Fractions and Circle Packings.*

Brooks continued fraction parameter provides a mechanism for encoding the shapes of curvilinear quadilaterals. Rational parameters correspond to quadrilaterals that can be filled with a (locally finite) circle packing.

The connection between circle packings and conformal maps have heavily investigated in recent years. We will explain how by varying the Brooks parameters of quadrilateral interstices, quasiconformal circle packing maps can be created. (Received September 07, 2005)