1056-52-595   **Avraham Bourla*** (`bourla@math.uconn.edu`), 44 Tolland Ave. #37, Stafford Springs, CT 06076. *Geometric properties of continued fractions.*

The regular continued fraction expansion of a real number relates to the cutting sequence of a geodesic in the hyperbolic plane through the Farey tessellation, having the modular group acting as a group of transformations.

In this talk, we will illustrate this relationship in the spirit of C. Series' papers. Then, we will briefly discuss a type of continued fractions that arises when we differ from the classical case. (Received September 14, 2009)