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Bataillon 34095 Cedex 5 Montpellier, France. *Hyperbolic Lego and Algebraic Curves.*

The inverse of the uniformization problem is to find an equation for the algebraic curve associated to a given hyperbolic surface. We will show how by attaching certain conformal invariants to hyperbolic polygons one can solve this problem for some families of surfaces obtained by assembling such polygons. (Received September 29, 2000)