

Title: Bers embeddings, skinning maps and hyperbolic geometry

Abstract: Bers' work on quasiconformal deformations and Teichmüller theory lies at the heart of the study of hyperbolic 3-manifolds. Thurston employed this theory to prove his hyperbolization theorem, making use of a fixed-point problem in Teichmüller space using his skinning map. We will give an overview of this circle of ideas and discuss some recent somewhat more quantitative results about skinning maps and Bers embeddings.