

# QUASICONFORMAL UNIFORMIZATION OF METRIC SPACES

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ABSTRACT. The uniformization problem asks, which metric spaces homeomorphic to a Euclidean domain admit a parametrization which is geometry-preserving in a suitable sense? One notion of “geometry-preserving” is the geometric definition of quasiconformal mapping, based on the modulus of families of curves. A uniformization theorem for this class of mappings was recently given by K. Rajala based on an axiom called reciprocity. This talk will discuss several newer results which extend this work. We will concentrate on a result, joint with Rajala, that every metric plane satisfies a reciprocal lower bound on modulus of curve families.

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