

Meeting: 1003, Atlanta, Georgia, SS 33A, AMS Special Session on Topics in Geometric Function Theory, I

1003-30-855 **Xiaosheng Li*** (lixiao@umn.edu), Division of Science and Mathematics, University of Minnesota, Morris, 600 4th Street, Morris, MN 56267. *Continuity of modulus and compactness of quasiconformal mappings in metric measure spaces.*

In this paper we study quasiconformal mappings in metric measure spaces. We generalize the continuity property of modulus and the compactness property of quasiconformal mappings in Euclidean space to metric measure spaces. By using the above established properties, we study quasiconformal groups in metric measure spaces. (Received September 30, 2004)