

1057-30-50

Xiangdong Xie* (xxie@georgiasouthern.edu), Department of Mathematical Sciences, Georgia Southern University, Statesboro, GA 30458. *Quasisymmetric maps on the ideal boundary of negatively curved $R^n \times R$.*

We study quasisymmetric maps between the ideal boundaries of negatively curved $R^n \times R$. We show that all self quasisymmetric maps are biLipschitz (except when the manifolds are biLipschitz to the real hyperbolic spaces). We also classify the ideal boundaries up to quasisymmetry. (Received January 24, 2010)