

Helsinki Analysis Seminar, 2014-10-20
Parisa Hariri, University of Turku
Abstract

INEQUALITIES AND BILIPSCHITZ CONDITIONS FOR TRIANGULAR RATIO METRIC

Let $G \subsetneq \mathbb{R}^n$ be a domain and let d_1 and d_2 be two metrics on G . We compare the geometries defined by the two metrics to each other for several metrics such as the distance ratio metric, the triangular ratio metric and the visual angle metric. Finally we apply our results to study Lipschitz maps with respect to metrics.

References

[HVZ] P. HARIRI, M. VUORINEN, X. ZHANG: Inequalities and bilipschitz conditions for triangular ratio metric (in progress).