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Abstract

SOME REMARKS ON HYPERBOLIC TYPE METRICS AND QUASICONFORMAL MAPS

In my recent work I have considered several metrics. These metrics are to some extent similar to the hyperbolic metric and are therefore called hyperbolic type metrics.

I will review some of this work. The talk is based, in part, on the the papers listed below.

References

[HVZ] P. HARIRI, M. VUORINEN, AND G. WANG: *Some remarks on the visual angle metric.*- arXiv: 1410.5943 [math.MG] 12pp.

[KLVW] R. KLÉN, H. LINDÉN, M. VUORINEN, AND G. WANG: *The visual angle metric and Möbius transformations.*- Comput. Methods Funct. Theory, 14 (2014), 577–608, DOI 10.1007/s40315-014-0075-x, arxiv: 1208.2871math.MG

[KVZ] R. KLÉN, M. VUORINEN AND X. ZHANG: *On isometries of conformally invariant metric.*- J. Geom. Anal., 2015, 1–10, DOI 10.1007/s12220-015-9577-7, arXiv:1411.4381 math.CV.

[VW1] M. VUORINEN AND G. WANG: *Bisection of geodesic segments in hyperbolic geometry.*- Proceedings of an international conference, Complex Analysis and Dynamical Systems V, Contemp. Math. 591 (2013), 273-290, arxiv: 1108.2948 math.MG

[VW2] M. VUORINEN AND G. WANG: *The visual angle metric and quasiregular maps,* 2015, Manuscript 12 pp.