
Boundary behavior of finitely bi-Lipschitz homeomorphisms between Finsler manifolds

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In this talk, we investigate the boundary behavior of finitely bi-Lipschitz homeomorphisms between Finsler manifolds. This class of mappings essentially extends the class of standard bi-Lipschitz mappings. Our study also involves the module technique and classes of mappings whose moduli of the curve/surface families are integrally controlled from above or/and below. The relation between the finitely bi-Lipschitz homeomorphisms and mappings with integrally controlled moduli allows us to provide several boundary correspondence results for Finsler manifolds. The Lusin (N)-property with respect to the k -dimensional Hausdorff measure for the finitely bi-Lipschitz mappings is also established. The talk is based on joint work with Anatoly Golberg.