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Flatness Properties of Quasispheres

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Abstract. We investigate flatness properties of K -quasiconformal spheres in the Euclidean n -dimensional space with the emphasis on the case when K is close to 1. These also lead to bounds for their Hausdorff dimension showing that K -quasispheres have much smaller dimension than K -quasiconformal images of general $(n - 1)$ -dimensional sets ($K \rightarrow 1$). The corresponding result in the plane is well-known.

Keywords. Quasiconformal spheres, uniform flatness, Hausdorff dimension.

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