

Conjugacy rigidity for flat Finsler metrics

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To my wife Yeon-Pyo Kim and my daughter Keun-Young Kim

Abstract. This note is concerned with the rigidity property from the viewpoint of geodesic conjugacy for flat Finsler metrics. We establish that if any Finsler metric F on a closed manifold is C^1 -conjugate to a flat metric and has vanishing S -curvature, then F must be flat.

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