

On isometries of Finsler manifolds

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In the talk we collect some old and new results on isometries of Finsler manifolds. Namely, recently, - only in 2002 - Deng and Hou proved rigorously the generalization of Myers-Steenrod theorem, which implies that the isometries in this case give a Lie transformations group, too, being folklore previously. We sketch a proof of a generalization of Weinstein theorem on the fix point of an isometry on a Finsler manifold of positive flag curvature.