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Clifford-Wolf Homogeneous Randers Spaces

A Clifford–Wolf translation of a connected Finsler space is an isometry which moves all points the same distance. A Finsler space (M, F) is called Clifford-Wolf homogeneous if for any two points $x_1, x_2 \in M$ there is a Clifford-Wolf translation ρ such that $\rho(x_1) = x_2$. In this paper, we give a complete classification of connected simply connected Clifford-Wolf homogeneous Randers spaces.

Keywords: Finsler spaces, Clifford-Wolf translations, Clifford-Wolf homogeneous Randers spaces, Killing vector fields.

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