

Finsler warped product metrics with relatively isotropic mean Landsberg curvature

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Abstract. In this paper, we study Finsler warped product metrics with relatively isotropic mean Landsberg curvature. Moreover, we classify the class of Douglas-type Finsler warped product metrics with relatively isotropic Landsberg curvature. This study then proves that Douglas-type Finsler warped product metrics with relatively isotropic Landsberg curvature must be either Berwald metrics or Randers metrics.

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