

ON THE L-DUALITY OF A FINSLER SPACE WITH SPECIAL (α, β) –METRIC

By

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ABSTRACT: - The geometry of higher order Finsler spaces was studied by P.L. Antonelli in 1993 and M. Matsumoto in 2003. The theory of higher order Lagrange and Hamilton spaces were discussed by R.Miron and M.Anastasiei in 1994,R.Miron in 2003.Some special problems concerning the L-duality and classes of Finsler spaces were studied in S.V.Sabau and H. Shimada in 2001.In year 2015 Gauree Shanker and Deepti Choudhary have obtained the L-dual of a special (α, β) –metric.In the continuing the study we obtained the L-dual of a different type special (α, β) –metric.

AMS Subject Classification:53B40, 53C60.

Key Words:Finsler space, Carton space, the duality between Finsler and Cartonspaces.

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