Differential Equation of Geodesic in Lagrange Space with $(\gamma \cdot \beta)$ -Metrics

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August 13, 2020

Abstract

In this paper, we discuss the differential equation of geodesic in a Lalagrangian space with (γ,β) -metric. We also derive the differential equation of geodesic when a Lagrangian space with (γ,β) -metric reduces to Finsler space with (γ,β) -metric. We have obtained certain results related to S-curvature and non-linear connection in the form of a metric tensor.

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