

CURVATURE INHERITANCE IN FINSLER SPACE

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ABSTRACT

S.B. Misra and A.K. Misra (1984) have studied affine motion in RNP Finsler space. U.P Singh and A. K. Singh (1981) have defined N-curvature collineations and discussed the existence of N – curvature collineations of different types in Finsler space. S. P. Singh (2003) has introduced the concept of curvature inheritance in Finsler spaces. J. K. Gatoto and S.P. Singh (2008) have defined and studied curvature inheritance for the relative curvature tensor \tilde{K} in Finsler space. C. K. Mishra and D. D. Yadav (2007) have investigated and discussed projective curvature inheritance in romal projective Finsler space. In the present paper, the author has defined N – curvature inheritance in Finsler space. Some special cases of N – curvature inheritance have also been discussed.

KEYWORDS: Finsler Space, Projective Normal Connection Coefficients, Curvature Inheritance, Normal Curvature, Lie-Derivative