Investigations Special Finsler Spaces Chaubey

the geometry of finsler spaces - urząd miasta Łodzi - i95o] the geometry of finsler spaces 9 the volume element of the space must coincide with the volume element of the local geometry. turning to area we observe: if xt(ui, • • • , uk) — x(u) is a fe-dimen- **on projectively flat finsler spaces - core** - on projectively flat finsler spaces ... case (1a), and less attention was paid to the special case (1b). although the question to find lagrangians whose geodesics are straight lines emerged already in the 19th century (raised by g. darboux), the real starting point of the investigations of projectively flat metrics is hilbert's fourth problem [13] raised on the international congress of ... **on projectively flat finsler spaces - rd.springer** - tively flat finsler spaces. we give a simple and quite elementary proof of the already known condition for the projective flatness, and we give a criterion for the projective flatness of a special lagrange space (theorem 1). after this we ob-tain a second-order pde system, whose solvability is necessary and sufficient for a finsler space to be projectively flat (theorem 2). we also derive ... **the geometry of hamilton and lagrange spaces - springer** - by far, the concept of nonlinear connection is central in our investigations. chapter 2 is a brief review of some background material on finsler spaces, in- cluded not only because we need them later to explain some extensions of the subject, **affine deformations of minkowski spaces** - special finsler spaces in which there exists metric linear connection in the tangent bundle trn. such are, among others, the riemannian and the minkowski spaces. in this paper we investigate affine deformations of minkowski spaces. affine deforma-tion means a regular linear transformation in each tangent space t xrn. we show that also the spaces arising from a minkowski space by affine ... **finsler spaces corresponding to distance** - finsler spaces corresponding to distance spaces⁄lajos tamassy¶ department of mathematics, university of debrecen, p. o. box 12, h-4010 debrecen, hungary **on integral geometry in projective finsler spaces** - folds of smooth projective finsler spaces. in particular, [3] and [21] extend (1) to this situation, as well as (2) for the special case k = n • 1. **generalized berwald spaces as affine deformations of ...** - the finsler spaces which still admit metric linear connections in the tangent bundle of the base manifold enjoy a special interest, and are called generalized berwald spaces. **minimal immersions in finsler spaces - core** - minimal immersions in finsler spaces von der fakult at fur mathematik, informatik und naturwissenschaften derrwth aachen university zur erlangung des akademischen grades eines doktors der **the geometry of hamilton and lagrange spaces - tomlree** - by far, the concept of nonlinear connection is central in our investigations. chapter 2 is a brief review of some background material on finsler spaces, in- cluded not only because we need them later to explain some extensions of the subject, **dr. gauree shanker - cup** - investigations on differential geometry of special finsler and lagrange spaces courses taught: post graduate level: real analysis complex analysis linear algebra measure theory operations research general topology differential topology differential geometry differentiable manifolds. 3 riemannian geometry riemann-finsler geometry under graduate level: calculus analytical solid geometry abstract ... **differentiable distance spaces - arxiv** - properties, yet they are no finsler spaces (which are special distance spaces). they are situ-ated between general metric spaces (distance spaces) and finsler spaces. we will investigate such curves of differentiable distance spaces, which possess the same properties as geodesics do in finsler spaces. so these curves can be considered as forerunners of finsler geodesics. they are in greater ... **theory of finsler spaces with special 4-th root metric ...** - [of the geodesic spray of the finsler space] and (v) h-torsion tensor has been working out in terms of generalised 4-th order christoffel symbols. keywords & phrases : finsler spaces, 4-th root metric. **a riemannian approach to randers geodesics** - investigations of finsler manifolds usually require tools more involved than those of riemannian geometry [1]. for instance, whereas the levi civita connection of riemannian geometry is a linear connection on the tan-gent bundle of the underlying manifold, one of its generalisations in the finslerian context, the so-called chern connection, is a linear connection on a distinguished vector ...

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