

On almost geodesic mappings of the second type between manifolds with non-symmetric linear connection

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We derive two mixed systems of Cauchy type in covariant derivatives of the first and second kind for almost geodesic mappings of the second type between manifolds with non-symmetric linear connection. Also, we consider a particular class of these mappings determined by the condition $\nabla F = 0$, where ∇ is the symmetric part of non-symmetric linear connection ${}^1\nabla$ and F is the affiner structure. Finally, we examine some invariant geometric objects with respect to these mapping.
