

Formella, S.**Projective structures in Sinyukov manifolds.** (English) [\[Zbl 0795.53018\]](#)

Szenthe, J. (ed.) et al., Differential geometry and its applications. Proceedings of a colloquium, held in Eger, Hungary, August 20-25, 1989, organized by the János Bolyai Mathematical Society. Amsterdam: North-Holland Publishing Company. Colloq. Math. Soc. János Bolyai. 56, 263-271 (1992).

The author studies geodesic mappings on Sinyukov manifolds, i.e. in Sinyukov's terms L_n -spaces satisfying the following conditions: $R_{ij,k} = a_k g_{ij} + b_i g_{jk} + b_j g_{ik}$ where R_{ij} and g_{ij} denote Ricci and metric tensors, a_k, b_k are covectors. If an Einstein space admits geodesic mappings then it corresponds to a certain Sinyukov manifold.

For the entire collection see [\[Zbl 0764.00002\]](#).

Reviewer: [J.Mikeš \(Odessa\)](#)

MSC:

[53B20](#) Local Riemannian geometry

Keywords:

[Riemannian spaces](#); [geodesic mappings](#); [Einstein spaces](#); [Sinyukov spaces](#)