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Spaces of geodesics. (English) [Zbl 0852.53037]


Summary: This is a survey of the history and present knowledge of the space of geodesics of a manifold with a linear connection. It includes some new results and some new proofs of old results.

For the entire collection see [Zbl 0844.00018].

MSC:

53C22 Geodesics in global differential geometry
58D15 Manifolds of mappings
53-02 Research exposition (monographs, survey articles) pertaining to differential geometry

Keywords:

space of geodesic; manifold with a linear connection