

**Sabinin, L. V.; Matveev, O. A.**

**Geodesic loops and some classes of affinely connected manifolds.** (English) Zbl 0976.53501  
Vestn. Ross. Univ. Druzh. Nar., Ser. Mat. 2, No. 1, 135-143 (1995).

Summary: The paper provides a survey of fundamental concepts, techniques and results of a new branch of mathematics which may be called “Odular Geometry” [see *L. V. Sabinin*, Sov. Math. Dokl. 18, No. 2, 515-518 (1977; [Zbl 0375.53021](#)), *L. V. Sabinin* and *P. O. Mikheev*, Quasigroups and Differential Geometry. In: “Quasigroups and Loops: Theory and Applications”, Sigma Ser. Pure Math. 8, 357-430 (1990; [Zbl 0721.53018](#))]. Now these ideas and methods are widely recognized in the mathematical world and are very perspective, especially in applications to algebra, geometry and mathematical physics. The presentation is based on original works of professor L. V. Sabinin and his school. The list of references encounnts 27 titles.

**MSC:**

- [53C05](#) Connections (general theory)
- [53C80](#) Applications of global differential geometry to the sciences
- [53C22](#) Geodesics in global differential geometry

**Keywords:**

[manifolds of affine connectedness](#); [geodesic loops](#); [odular geometry](#)