

**Matveev, O. A.**

**On locally invariant affine connections.** (English) [Zbl 0746.53017](#)

Webs and quasigroups. ("Nonlinear geometric algebra-89"), Tver', 78-97 (1991).

[For the entire collection see [Zbl 0742.00044](#).]

Details of some results due to P. Molino concerning locally invariant affine connections and Kostant's theorem about rigid affine connections are given. The infinitesimal analog of an affine connection  $\nabla$  which is rigid with respect to a reductive connection  $\bar{\nabla}$  is defined. It is a tangent algebra of a special type. The tangent algebra defines an affine connection  $\nabla$  up to equivalence. Similar results are formulated for some manifolds of a special type.

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**MSC:**

[53B05](#) Linear and affine connections

**Keywords:**

[rigid affine connection](#); [tangent algebra](#)