THE SIGNATURE OF THE RICCI CURVATURE OF LEFT-INVARIANT RIEMANNIAN METRICS ON FOUR-DIMENSIONAL LIE GROUPS. THE NONUNIMODULAR CASE

A. G. Kremlev and Yu. G. Nikonorov

We obtain a complete classification of all the possible values of the signature of the Ricci curvature of left-invariant Riemannian metrics on four-dimensional nonunimodular Lie groups.

Key words and phrases: homogeneous Riemannian manifold, Lie algebra, Lie group, left-invariant Riemannian metric, Ricci curvature.

Kremlev Anton Gennad'evich
Nikonorov Yurij Gennad'evich
　　Rubtsovsk Industrial Institute,
　　Rubtsovsk, 658207 Russia.
　　E-mail: kremant@mail.ru
　　E-mail: nik@inst.rubtsovsk.ru