

Ismagilov, R. S.

Imbedding of a group of measure-preserving diffeomorphisms into a semidirect product and its unitary representations. (English) [Zbl 0484.58011](#)

Math. USSR, Sb. 41, 67-81 (1982).

For a scan of this review see the [web version](#).

MSC:

58D05 Groups of diffeomorphisms and homeomorphisms as manifolds

22E65 Infinite-dimensional Lie groups and their Lie algebras: general properties

57R50 Differential topological aspects of diffeomorphisms

22E45 Representations of Lie and linear algebraic groups over real fields: analytic methods

28D15 General groups of measure-preserving transformations

Keywords:

representations of groups of diffeomorphisms; identity component of the group of all diffeomorphisms of a compact n -dimensional manifold which preserve a nowhere zero n -form; semi-direct product; group of all measurable transformations

Full Text: [DOI](#)