

Theory of Lie Groups (PMS-8), Volume 8 // Princeton University Press, 2016 // 2016 // Claude Chevalley // 9781400883851 // 232 pages

Cambridge Core - Algebra - Representation Theory of Lie Groups. Book description. Lie groups and their representations occupy an important place in mathematics with applications in such diverse fields as differential geometry, number theory, differential equations and physics. In 1977 a symposium was held in Oxford to introduce this rapidly developing and expanding subject to non-specialists. This volume contains the lectures of ten distinguished mathematicians designed to provide the reader with a deeper understanding of the fundamental theory and appreciate the range of results. This volume contains much to interest mathematicians and theoretical physicists by Walter de Gruyter GmbH. in Theory of Lie Groups (PMS-8). Theory of Lie Groups (PMS-8); doi:10.1515/9781400883851-fm. Publisher Website. Google Scholar. Start by marking "Theory of Lie Groups (Pms-8), Volume 8" as Want to Read: Want to Read saving €; Want to Read. Currently Reading. Read. Theory of Lie Groups (by Claude Chevalley. Other editions. This famous book was the first treatise on Lie groups in which a modern point of view was adopted systematically, namely, that a continuous group can be regarded as a global object. To develop this idea to its fullest extent, Chevalley incorporated a broad range of topics, such as the covering spaces of topological spaces, analytic manifolds, integration of complete system This famous book was the first treatise on Lie groups in which a modern point of view was adopted systematically, namely, that a continuous group can be regarded as a global object. In mathematics, Theory of Lie groups is a series of books on Lie groups by Claude Chevalley (1946, 1951, 1955). The first in the series was one of the earliest books on Lie groups to treat them from the global point of view, and for many years was the standard text on Lie groups. The second and third volumes, on algebraic groups and Lie algebras, were written in French, and later reprinted bound together as one volume. Apparently further volumes were planned but not published, though his lectures This famous book was the first treatise on Lie groups in which a modern point of view was adopted systematically, namely, that a continuous group can be regarded as a global object. To develop this idea to its fullest extent, Chevalley incorporated a broad range of topics, such as the covering spaces of topological spaces, analytic manifolds, integration of complete systems of differential equations on a manifold, and the calculus of exterior differential forms. The book opens with a short description of the classical groups: unitary groups, orthogonal groups, symplectic groups, etc. The continued importance of Lie groups in mathematics and theoretical physics make this an indispensable volume for researchers in both fields. ...read more. Format.