

New Developments in Lie Theory and Their Applications (Progress in Mathematics)



Representation theory, and more generally Lie theory, has played a very important role in many of the recent developments of mathematics and in the interaction of mathematics with physics. In August-September 1989, a workshop (Third Workshop on Representation Theory of Lie Groups and its Applications) was held in the environs of Córdoba, Argentina to present expositions of important recent developments in the field that would be accessible to graduate students and researchers in related fields. This volume contains articles that are edited versions of the lectures (and short courses) given at the workshop. Within representation theory, one of the main open problems is to determine the unitary dual of a real reductive group. Although this problem is as yet unsolved, the recent work of Barbasch, Vogan, Arthur as well as others has shed new light on the structure of the problem. The article of D. Vogan presents an exposition of some aspects of this problem, emphasizing an extension of the orbit method of Kostant, Kirillov. Several examples are given that explain why the orbit method should be extended and how this extension should be implemented.

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New developments in Lie theory and their applications / Juan Tirao Institute of Mathematics, National Academy of

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Weil representation, Maslov index and theta series, Progress in Mathematics, vol. orbit method, New developments in Lie theory and their applications (Cordoba, 1989) Progr. **New Developments in Lie Theory and Their Applications - Google** J. Math., () K. H. Neeb, Bounded and semi-bounded Integrability and Quantization in Lie Theory and Its Applications in Physics, V. Dobrev, of Unitary Groups, Developments and Retrospectives in Lie Theory, Eds. G. Actions, and Representations, A. Huckleberry (Editor), Progress in Math. **Publications** Seventh Workshop on Lie Theory and Its Applications, November 165 (1966), 297308. , The Radon transform, second ed., Progress in Mathematics, vol. **AUTHOR BOOK TITLE SERIES TITLE Aalen, O. / Borgan, O - IMPA** Canonical bases arising from quantized enveloping algebras. J. Amer. Math. Soc. (Eds.), New Developments in Lie Theory and Their Applications, Progress in **Representation Theory of the American Mathematical Society** Ruzhansky M., Wirth J. 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New Developments in Lie Theory and Their Applications, Progress in Mathematics, **Gerbes and Lie Groups** Progress in Mathematics New Developments in Lie Theory and Their Applications Although this problem is as yet unsolved, the recent work of Barbasch, **Past Programs - MSRI** New developments in Lie theory and their applications / Juan Tirao, Nolan Wallach, editors. Bookmark: Progress in mathematics (Boston, Mass.) no:105 0079- **New Developments in Lie Theory and Their Applications - Springer** ?The school will concentrate on the recent significant developments in the field of dynamical Recently remarkable progress has been made in understanding existence and . number theory, Lie theory, homological algebra, and mathematical physics. .. 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problems. . Vogan, Jr. on his 60th Birthday, volume 312 of Progress in Mathematics, pages 277-322. **Unitary Representations of Reductive Lie Groups and the Orbit** Birkhauser Birkhauser Mathematics Progress in Mathematics. Free Preview. 1992. New Developments in Lie Theory and Their Applications. Authors: Tirao **New Developments in Lie Theory and Their Applications - Springer Transactions of the American Mathematical Society** New Developments in Lie theory and their applications / edited by Juan Tirao, Nolan Wallach. p. cm. -- (Progress in mathematics: 105) Papers from the Third **Inducted into the Lincoln University Hall of Fame on - UMass Math** Progress in Mathematics New Developments in Lie Theory and Their Applications Unitary Representations of Reductive Lie Groups and the Orbit Method. **Nolan R - UCSD Math Department - University of California San Diego** ?The school will concentrate on the recent significant developments in the field of dynamical Recently remarkable progress has been made in understanding existence and . number theory, Lie theory, homological algebra, and mathematical physics. .. Workshop Derived algebraic geometry and its applications.