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## Moscow Seminar in Mathematical Physics

A. Yu. Morozov  
M. A. Olshanetsky  
Editors



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# Moscow Seminar In Mathematical Physics

**Willie E. Clark, Doris H. McGinnis**



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**Topology, Ergodic Theory, Real Algebraic Geometry** Vladimir G. Turaev, Anatoliï Moiseevich Vershik, V. A. Rokhlin, 2001 This volume is dedicated to the memory of the Russian mathematician V A Rokhlin 1919 1984 It is a collection of research papers written by his former students and followers who are now experts in their fields The topics in this volume include topology the Morse Novikov theory spin bordisms in dimension 6 and skein modules of links real algebraic geometry real algebraic curves plane algebraic surfaces algebraic links and complex orientations dynamics ergodicity amenability and random bundle transformations geometry of Riemannian manifolds theory of Teichmüller spaces measure theory etc The book also includes a biography of Rokhlin by Vershik and two articles which should prove of historical interest

**Lie Groups and Invariant Theory** Ernest Borisovich Vinberg, 2005 This volume devoted to the 70th birthday of A L Onishchik contains a collection of articles by participants in the Moscow Seminar on Lie Groups and Invariant Theory headed by E B Vinberg and A L Onishchik The book is suitable for graduate students and researchers interested in Lie groups and related topics

*Pseudoperiodic Topology* Maxim Kontsevich, 1999 Moscow mathematicians offer researchers and graduate students working in dynamical systems topology and number theory an account of the current status of a young branch of mathematics born at the boundary between those three disciplines The theory is related to the theory of algorithms convex integer polyhedra Morse inequalities real algebraic geometry statistical physics and algebraic number theory They discuss the topology of quasiperiodic functions statistics of Klein polyhedra and multidimensional continued fractions pseudoperiodic mappings how leaves of a closed one form wind around a surface and other topics They do not provide an index Annotation copyrighted by Book News Inc Portland OR

**Model Theory and Applications** O.V. Belegadek, This volume is a collection of papers on model theory and its applications The longest paper Model Theory of Unitriangular Groups by O V Belegadek forms a subtle general theory behind Mal'tsev's famous correspondence between rings and groups This is the first published paper on the topic Given the present model theoretic interest in algebraic groups

Belegradek s work is of particular interest to logicians and algebraists The rest of the collection consists of papers on various questions of model theory mainly on stability theory Contributors are leading Russian researchers in the field

**Spectral Theory of Differential Operators** T. Suslina, 2008-01-01 Translations of articles on mathematics appearing in various Russian mathematical serials *Russian Journal of Mathematical Physics* ,1996 [Index to Conferences Relating to Nuclear Science](#) Willie E. Clark, Doris H. McGinnis, 1968 [General physics, relativity, astronomy and mathematical physics and methods](#) ,2003 [Topics in Statistical and Theoretical Physics](#) R. L. Dobrushin, Robert Adol'fovich Minlos, Mikhail Aleksandrovich Shubin, Anatoliï Moiseevich Vershik, 1996 This is the second of two volumes dedicated to the scientific heritage of F A Berezin 1931 1980 Before his untimely death Berezin had an important influence on physics and mathematics discovering new ideas in mathematical physics representation theory analysis geometry and other areas of mathematics His crowning achievements were the introduction of a new notion of deformation quantization and Grassmannian analysis supermathematics Collected here are papers by many of his colleagues and others who worked in related areas representing a wide spectrum of topics in statistical and theoretical physics and allied areas of mathematics In particular several papers discuss various aspects of quantum field theory and related questions of supersymmetry geometry and representation theory Other papers are devoted to problems of quasi classical approximation and mathematical models of statistical physics

**Russian Mathematical Surveys** ,1998 *Physics, Uspekhi* ,2006 **Modeling in Physics and Math's Education.**

**The materials of Russian-German Seminar in Moscow - Cologne** Дмитрий Исаев, 2018-09-10 The collection includes materials of the Russian German seminar which took place from September 28 to October 8 2013 in Moscow Russia at the Faculty of Physics and Information Technologies of Moscow State Pedagogical University and from November 27 to December 5 2013 in Cologne Germany at the Mathematical Institute of University of Cologne

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