



ESI Lectures in Mathematics and Physics

Editors

Joachim Schwermer (Institute for Mathematics, University of Vienna)

Jakob Yngvason (Institute for Theoretical Physics, University of Vienna)

The Erwin Schrödinger International Institute for Mathematical Physics

Boltzmannngasse 9

A-1090 Wien

Austria

The Erwin Schrödinger International Institute for Mathematical Physics is a meeting place for leading experts in mathematical physics and mathematics, nurturing the development and exchange of ideas in the international community, particularly stimulating intellectual exchange between scientists from Eastern Europe and the rest of the world.

The purpose of the series *ESI Lectures in Mathematics and Physics* is to make selected texts arising from its research programme better known to a wider community and easily available to a worldwide audience. It publishes lecture notes on courses given by internationally renowned experts on highly active research topics. In order to make the series attractive to graduate students as well as researchers, special emphasis is given to concise and lively presentations with a level and focus appropriate to a student's background and at prices commensurate with a student's means.

Arkady L. Onishchik

Lectures on Real Semisimple Lie Algebras and Their Representations



European Mathematical Society

Author:

Arkady L. Onishchik
Faculty of Mathematics
Yaroslavl State University
Sovetskaya 14
150 000 Yaroslavl
Russia

2000 Mathematics Subject Classification (primary; secondary): 17-01, 17B10, 17B20; 22E46

Bibliographic information published by Die Deutsche Bibliothek

Die Deutsche Bibliothek lists this publication in the Deutsche Nationalbibliografie; detailed bibliographic data are available in the Internet at <http://dnb.ddb.de>.

ISBN 3-03719-002-7

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, re-use of illustrations, recitation, broadcasting, reproduction on microfilms or in other ways, and storage in data banks. For any kind of use permission of the copyright owner must be obtained.

© 2004 European Mathematical Society

Contact address:

European Mathematical Society Publishing House
Seminar for Applied Mathematics
ETH-Zentrum FLI C1
CH-8092 Zürich
Switzerland

Phone: +41 (0)1 632 34 36
Email: info@ems-ph.org
Homepage: www.ems-ph.org

Printed on acid-free paper produced from chlorine-free pulp. TCF ∞
Printed in Germany

9 8 7 6 5 4 3 2 1