

PREFACE

The IX International Conference on Symmetry Methods in Physics (SYMPHYS9), organized by the Bogoliubov Laboratory of Theoretical Physics of the Joint Institute for Nuclear Research and the International Centre for Advanced Studies at Yerevan State University, was held in Yerevan, Armenia, on July 3–8, 2001.

The first five Conferences of this series were organized by the Institute of Physics and Power Engineering in Obninsk (Russia) in 1986–1991. The next three conferences were held at the Joint Institute for Nuclear Research in Dubna in 1993, 1995, and 1997.

The scientific programme of SYMPHYS9 covers the following topics:

- Integrable and superintegrable systems;
- Contractions of Lie groups and quantum groups;
- Algebraic structures beyond Lie algebras;
- Quantum algebras and groups, Q-special functions;
- Periodic and aperiodic structures;
- Quantum field theory and strings;
- Gravitation, cosmology and quantum gravity;
- Condensed matter and statistical physics;
- Quantum optics and coherent states;
- Symmetry in nuclear and atomic physics;
- Symmetries of differential and difference equations;
- Mathematical methods.

The Conference was supported by INTAS, ICTP, Russian Foundation for Basic Research, Joint Institute for Nuclear Research, Heisenberg–Landau and Infeld–Bogoliubov Programmes, Ministry of Education and Science of Republic of Armenia and Yerevan State University.

Editors:

L. G. Mardoyan

G. S. Pogosyan

A. N. Sissakian