



2009, XLII, 872 p.

Printed book

Hardcover

- ▶ 233,64 € | £179.99 | \$279.99
- ▶ *249,99 € (D) | 257,00 € (A) | CHF 275.50

eBook

Available from your bookstore or

- ▶ springer.com/shop

MyCopy

Printed eBook for just

- ▶ € | \$ 24.99
- ▶ springer.com/mycopy

V. Sidoravičius (Ed.)

New Trends in Mathematical Physics

Selected contributions of the XVth International Congress on Mathematical Physics

- ▶ **The latest developments in mathematical physics, presented by outstanding scientists and leaders in a wide range of mathematical physics/mathematics fields**
- ▶ **Gives panoramic state of art view on modern mathematical physics**
- ▶ **Combines extensive review material with advanced and deep research texts**

This book collects selected papers written by invited and plenary speakers of the 15th International Congress on Mathematical Physics (ICMP) in the aftermath of the conference. In extensive review articles and expository texts as well as advanced research articles the world leading experts present the state of the art in modern mathematical physics. New mathematical concepts and ideas are introduced by prominent mathematical physicists and mathematicians, covering among others the fields of Dynamical Systems, Operator Algebras, Partial Differential Equations, Probability Theory, Random Matrices, Condensed Matter Physics, Statistical Mechanics, General Relativity, Quantum Mechanics, Quantum Field Theory, Quantum Information and String Theory. All together the contributions in this book give a panoramic view of the latest developments in mathematical physics. They will help readers with a general interest in mathematical physics to get an update on the most recent developments in their field, and give a broad overview on actual and future research directions in this fascinating and rapidly expanding area.



Order online at springer.com ▶ or for the Americas call (toll free) 1-800-SPRINGER ▶ or email us at: customerservice@springer.com. ▶ For outside the Americas call +49 (0) 6221-345-4301 ▶ or email us at: customerservice@springer.com.

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with * include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with ** include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted.