

|                         |  |
|-------------------------|--|
| 1. Record Nr.           | UNINA9910450724303321  |
| Titolo                  | Infinite dimensional harmonic analysis III [[electronic resource]] : proceedings of the third German-Japanese symposium, 15-20 September, 2003, University of Tübingen, Germany / / editors, Herbert Heyer ... [et al.]  |
| Pubbl/distr/stampa      | Hackensack, N.J., : World Scientific, 2005   |
| ISBN                    | 1-281-89714-0<br>9786611897147<br>981-270-150-8  |
| Descrizione fisica      | 1 online resource (366 p.)   |
| Altri autori (Persone)  | Heyer, Herbert   |
| Disciplina              | 515.2433<br>515/.2433  |
| Soggetti                | Harmonic analysis<br>Mathematical analysis<br>Electronic books.  |
| Lingua di pubblicazione | Inglese  |
| Formato                 | Materiale a stampa   |
| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di bibliografia    | Includes bibliographical references.   |
| Nota di contenuto       | Preface; CONTENTS; Shigoto nakama de ari yujin de atta kare no omoide; In Memory of a Colleague and Friend H. Heyer; In Memory of Professor Shozo Koshi Y. Takahashi; Recent Developments on Harmonic Forms and L2-Betti Numbers of Infinite Configuration Spaces with Poisson Measures S. Albeverio and A. Daletskii; Une Reciprocite de Frobenius H. Fujiwara; Markov Property of Monotone Levy Processes U. Franz and N. Muraki; Geometric Properties of the Set of Extensions of a Stochastic Matrix R. Gohm; Heat Kernel Analysis on Infinite Dimensional Groups M. Gordina<br>On Mehler Semigroups, Stable Hemigroups and Selfdecomposability W. Hazod<br>On Infinite Divisibility and Embedding of Probability Measures on a Locally Compact Abelian Group H. Heyer and G. Pap; Character Formula for Wreath Products of Finite Groups with the Infinite Symmetric Group T. Hirai and E. Hirai; Remark on Biane's Character Formula and Concentration Phenomenon in Asymptotic Representation Theory A. Hora; Real Hardy Spaces on Real Rank 1 Semisimple Lie |

Groups T. Kawazoe; White Noise Analysis, Filtering Equation and the Index Theorem for Families R. Le'andre  
Laplace Approximations for Diffusion Processes S. LiangA Note on Afine Quotients and Equivariant Double Fibrations K. Nishiyama; Admissible White Noise Operators and Their Quantum White Noise Derivatives U. C. Ji and N. Obata; PDE Approach to Invariant and Gibbs Measures with Applications M. Rockner; Deformations of Convolution Semigroups on Commutative Hypergroups M. Rosler and M. Voit; An Infinite Dimensional Laplacian Acting on Multiple Wiener Integrals by Some Levy Processes K. Saito; Levy Processes on Deformations of Hopf Algebras M. Schurmann  
Unitary Representations of the Group of Diffeomorphisms via Restricted Product Measures with Infinite Mass H. Shimomura (joint work with T. Hirai)An Application of the Method of Moments in Random Matrix Theory M. Stoltz; Isotropy Representation for Harish-Chandra Modules H. Yamashita

---

#### Sommario/riassunto

This volume contains contributions on recent results in infinite dimensional harmonic analysis and its applications to probability theory. Some papers deal with purely analytic topics such as Frobenius reciprocity, diffeomorphism groups, equivariant fibrations and Harish-Chandra modules. Several other papers touch upon stochastic processes, in particular Levy processes. The majority of the contributions emphasize on the algebraic-topological aspects of the theory by choosing configuration spaces, locally compact groups and hypergroups as their basic structures. The volume provides a useful sur

---