1. Record Nr. UNINA9910826427503321 Path integrals [[electronic resource]]: new trends and perspectives: **Titolo** proceedings of the 9th international conference, Dresden, Germany, September 23-28 2007 / / editors, Wolfhard Janke, Axel Pelster New Jersey, : World Scientific, 2008 Pubbl/distr/stampa **ISBN** 1-282-44230-9 9786612442308 981-283-727-2 Descrizione fisica 1 online resource (629 p.) Altri autori (Persone) JankeW (Wolfhard) PelsterAxel Disciplina 530.12 Soggetti Path integrals Quantum field theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Monografia Livello bibliografico Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Preface; Conference committees; Group photo; CONTENTS; Part I Nota di contenuto History and Perspectives; Part II Quantum Physics; Part III Quantum Field Theory; Part IV Quantum Gravity; Part V Statistical Field Theory; Part VI Monte Carlo Techniques; Part VII Bose-Einstein Condensation; Part VIII Condensed Matter; Part IX Spin Models; Part X Biophysics and Stochastics; List of participants; Author index; Keyword index Sommario/riassunto This proceedings volume contains selected talks and poster presentations from the 9th International Conference on Path Integrals -New Trends and Perspectives, which took place at the Max Planck Institute for the Physics of Complex Systems in Dresden, Germany, during the period September 23-28, 2007. Continuing the welldeveloped tradition of the conference series, the present status of both the different techniques of path integral calculations and their diverse applications to many fields of physics and chemistry is reviewed. This is

reflected in the main topics in this volume, which range f