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A Method for Studying Model Hamiltonians

A Minimax Principle for
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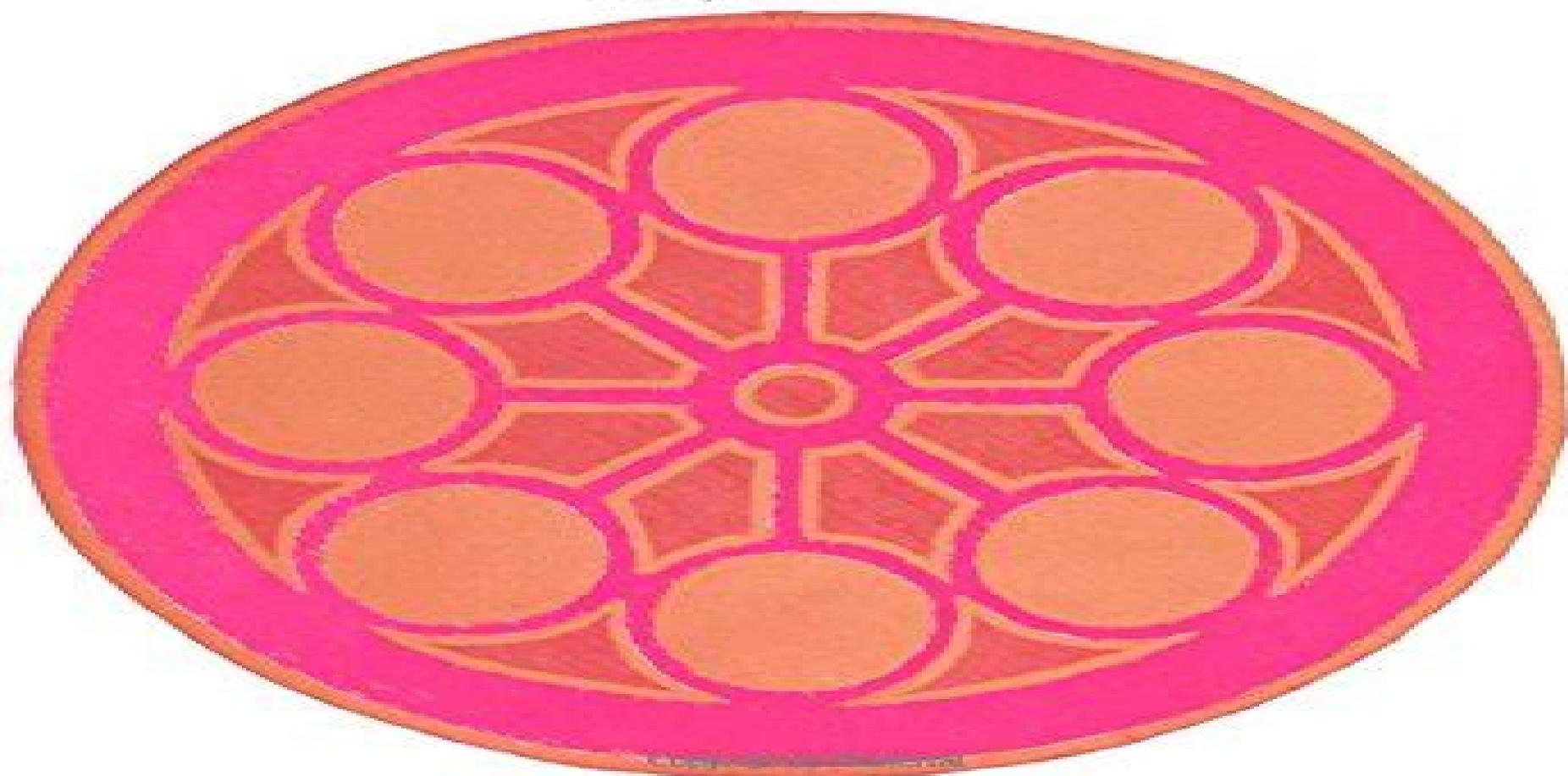
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Method For Studying Model Hamiltonians

Nikolai Nikolaevich Bogoliubov



Method For Studying Model Hamiltonians:

A Method for Studying Model Hamiltonians N. N. Bogolyubov, 2013-10-22 A Method for Studying Model Hamiltonians A Minimax Principle for Problems in Statistical Physics centers on methods for solving certain problems in statistical physics which contain four fermion interaction Organized into four chapters this book begins with a presentation of the proof of the asymptotic relations for the many time correlation functions Chapter 2 details the construction of a proof of the generalized asymptotic relations for the many time correlation averages Chapter 3 explains the correlation functions for systems with four fermion negative interaction The last chapter shows the model systems with positive and negative interaction components

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Strongly Correlated Systems Adolfo Avella, Ferdinando Mancini, 2013-04-05 This volume presents for the very first time an exhaustive collection of those modern numerical methods specifically tailored for the analysis of Strongly Correlated Systems Many novel materials with functional properties emerging from macroscopic quantum behaviors at the frontier of modern research in physics chemistry and material science belong to this class of systems Any technique is presented in great detail by its own inventor or by one of the world wide recognized main contributors The exposition has a clear pedagogical cut and fully reports on the most relevant case study where the specific technique showed to be very successful in describing and enlightening the puzzling physics of a particular strongly correlated system The book is intended for advanced graduate students and post docs in the field as textbook and or main reference but also for other researchers in the field who appreciate consulting a single but comprehensive source or wishes to get acquainted in a as painless as possible way with the working details of a specific technique

Theoretical and Mathematical Physics Vasiliï Sergeevich Vladimirov, Evgeniï Frolovich Mishchenko, A. K. Gushchin, 1988 *Russian Mathematical Surveys*, 1994

Methods of Statistical Physics A. I. Akhiezer ((Aleksandr Il'ich)), Sergeï Vladimirovich Peletminskiï, 1981 Methods of Statistical Physics is an exposition of the tools of statistical mechanics which evaluates the kinetic equations of classical and quantized systems The book also analyzes the equations of macroscopic physics such as the

equations of hydrodynamics for normal and superfluid liquids and macroscopic electrodynamics The text gives particular attention to the study of quantum systems This study begins with a discussion of problems of quantum statistics with a detailed description of the basics of quantum mechanics along with the theory of measurement An analysis of the asymptotic behavior

Combined Quantum Mechanical and Molecular Mechanical Methods Jiali Gao, Mark A. Thompson, 1998
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Theoretical Methods for the Study of Chemical Dynamics Nancy Makri, 1989 International Series of Monographs in Natural Philosophy, 1972
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