

STATISTICAL MECHANICS OF MAGNETICALLY ORDERED SYSTEMS

Edited by

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Statistical Mechanics Of Magnetically Ordered Systems

E Gutsche,K. Müller,P. Görlich

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the Bethe s Ansatz BA is introduced to readers This book presents different forms of the BA for periodic and open quantum chains Other forms dealt with are the co ordinate BA thermodynamic BA nested BA algebraic BA and thermal BA The book also contains a compact description of other theoretical methods such as scaling conformal field theory Abelian and non Abelian bosonizations The book is suitable for use as a textbook by graduate students in non perturbative methods of low dimensional quantum many body theory It will also be a useful source of reference for qualified physicists as well as non experts in low dimensional physics as it explores material necessary for further studies in the fields of exactly solvable quantum models and low dimensional correlated electron systems Fundamentals of the Physics of Solids Jenö

Sólyom,2008-11-18 The reader is holding the second volume of a three volume textbook on sol state physics This book is the outgrowth of the courses I have taught for many years at E tv s University Budapest for undergraduate and graduate students under the titles Solid State Physics and Modern Solid State Physics The main motivation for the publication of my lecture notes as a book was that none of the truly numerous textbooks covered all those areas that I felt should be included in a multi semester course Especially if the course strives to present solid state physics in a unied structure and aims at discussing not only classic chapters of the subject matter but also in more or less detail problems that are of great interest for today s researcher as well Besides the book presents a much larger material than what can be covered in a two or three semester course In the rst part of the rst volume the analysis of crystal symmetries and structure goes into details that certainly cannot be included in a usual course on solid state physics The same applies among others to the discussion of the methods used in the determination of band structure the properties of Fermi liquids and non Fermi liquids and the theory of unconventional superconductors in the present and third volumes These parts can be assigned as supplementary reading for interested students or can be discussed in advanced courses *Physics Letters* ,1997 General physics atomic physics molecular physics and solid state physics

Journal of Physics A ,1999 Focuses on fundamental mathematical and computational methods underpinning physics Relevant to statistical physics chaotic and complex systems classical and quantum mechanics classical and quantum integrable systems and classical and quantum field theory Physical Review ,1997-10 Publishes papers that report results of research in statistical physics plasmas fluids and related interdisciplinary topics There are sections on 1 methods of statistical physics 2 classical fluids 3 liquid crystals 4 diffusion limited aggregation and dendritic growth 5 biological physics 6 plasma physics 7 physics of beams 8 classical physics including nonlinear media and 9 computational physics **Journal of Technical Physics** ,1996 *The Physics of Metals and Metallography* ,1989

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