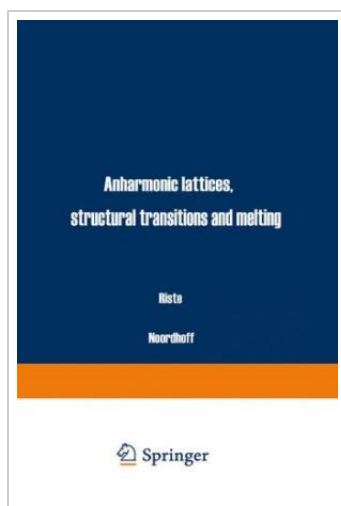




Anharmonic Lattices, Structural Transitions and Melting

By -

Springer, Netherlands, 2011. Paperback. Book Condition: New. 235 x 155 mm. Language: English . Brand New Book ***** Print on Demand *****.This book contains the papers presented at the NATO Advanced Study Institute held at Ustaoset H[cent]yfellshotel, near Geilo, Norway, 24th April - 1st May, 1973. The members of the Programme Committee were J. D. Axe Brookhaven National Laboratory, USA J. Feder University of Oslo, Norway T. Riste Institutt for Atomenergi, Norway (Chairman) The title of the institute, Anharmonic Lattices, Structural Transitions and Melting , gives an idea of the programme and of the content of this book. The first part is devoted to the so-called central mode at 2nd order structural phase transitions, a phenomenon which was first reported in 1971 at a NATO Advanced Study Institute held at Geilo. (Several references to the proceedings of that institute, entitled Structural Phase Transitions and Soft Modes , are found in the present volume). From 2nd order transitions the emphasis of the programme moves gradually to 1st order transitions by covering such topics as order-disorder structural transitions in simple molecular crystals and tricritical phenomena. The last part is devoted to melting, including discussions on the dynamics of...



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