

Contents

Preface.	vii
Existence and Nature of Phase Transitions in One-Dimensional Ising Ferromagnets	1
BY FREEMAN J. DYSON	
The Peierls Argument for the Existence of Phase Transitions . .	13
BY ROBERT B. GRIFFITHS	
Correlation Inequalities in Statistical Mechanics	27
BY J. GINIBRE	
Equilibrium States of Infinite Systems in Statistical Mechanics .	47
BY DAVID RUELLE	
Approach and Return to Equilibrium of Free Fermi Systems . .	55
BY DEREK W. ROBINSON	
Time-Evolution of Infinite Classical Systems	65
BY OSCAR E. LANFORD III	
States and Automorphism Groups of Operator Algebras	77
BY MASAMICHI TAKESAKI	
Author Index.	85
Subject Index	87