

CONTENTS

Preface	v
Early Universe and GUT M Yoshimura	1
Vacuum Viscosity and Entropy Generation in Quantum Gravitational Processes in the Early Universe $B\ L\ Hu$	23
Phase Transitions in Supersymmetric Grand Unified Models E W Kolb, S Y Pi & S Raby	45
Gravitational Effects of Bubbles' Collision in the Very Early Universe Z C Wu	71
Massive Neutrino and Cosmology T Lu	91
The Large Scale Structure in the Universe L Z Fang	129
Phase Transition and Inflationary Universe Model K Sato	165
Spatially Homogeneous Dynamics: A Unified Picture R T Jantzen	233