

TABLE OF CONTENTS

J. HEJTMANEK	Time-dependent linear transport theory	1
H. NEUNZERT	An introduction to the nonlinear Boltzmann-Vlasov equation	60
P.F. ZWEIFEL	The Boltzmann equation and its properties . . .	111
M.D. ARTHUR	Preliminary results on the non-existence of solutions for a half space Boltzmann collision model with three degrees of freedom	176
T. ELMROTH	The space-homogeneous Boltzmann equation for molecular forces of infinite range	192
A. PALCZÉWSKI	The Cauchy problem for the Boltzmann equation. A survey of recent results	202
H. SPOHN	Boltzmann hierarchy and Boltzmann equation . . .	207
T. YTREHUS	A nonlinear half-space problem in the kinetic theory of gases	211