

CONTENTS

Collective Accelerations of Particles in Plasma M. S. Rabinovich and V. N. Tsytovich	1
Coherent Impact Acceleration V. I. Veksler and V. N. Tsytovich	51
New Possibilities of Particle Acceleration to High Energies G. A. Askar'yan	61
Calculation of the Impact-Acceleration Mechanism V. N. Tsytovich	69
Radiation of a Source Moving near a Slot in an Ideally Conducting Screen B. M. Bolotovskii and A. I. Plis	133
Electromagnetic Excitation of a Ribbon Structure by an E-Polarized Wave A. I. Plis	139
Nonlinear Theory of Radiative Instabilities of Relativistic Annular Beams A. G. Bonch-Osmolovskii and V. N. Tsytovich	147
Role of Nonlinear Effects in the Interaction of Relativistic Beams with a Plasma V. N. Tsytovich	177
Quasilinear Theory of Radiation of a Relativistic Electron Beam in a Planar Slowing-Down Waveguide A. V. Akopyan	187
Bremsstrahlung of a Relativistic Plasma V. N. Tsytovich	199