CONTENTS

Neal Bez and Mitsuru Sugimoto — Remarks on the Mizohata–Takeuchi conjecture and related problems 1

Masahiro Ikeda — Asymptotics for the Schrödinger equation with a repulsive delta potential and a long-range dissipative nonlinearity 13

Takuto Imai, Masakazu Kato, Hiroyuki Takamura and Kyouhei Wakasa — The sharp lower bound of the lifespan of solutions to semilinear wave equations with low powers in two space dimensions 31

Soichiro Katayama — Remarks on the asymptotic behavior of global solutions to systems of semilinear wave equations 55

Shotaro Kawahara and Masahito Ohta — Instability of standing waves for a system of nonlinear Schrödinger equations in a degenerate case 85

Yuki Kimura and Takayoshi Ogawa — Energy structure and asymptotic profile of the linearized system of thermo-elastic equation in lower space dimensions 101

Naoyasu Kita and Yoshihisa Nakamura — Decay estimate and asymptotic behavior of small solutions to Schrödinger equations with subcritical dissipative nonlinearity 121

Hideo Kubo — Modification of the vector-field method related to quadratically perturbed wave equations in two space dimensions 139

Chunhua Li and Hideaki Sunagawa — Remarks on derivative nonlinear Schrödinger systems with multiple masses 173

Felipe Linares, Gustavo Ponce and Thomas C. Sideris — Properties of solutions to the Camassa-Holm equation on the line in a class containing the peakons 197

Shuji Machihara, Tohru Ozawa and Hidemitsu Wadade — Remarks on the Hardy type inequalities with remainder terms in the framework of equalities 247

Satoshi Masaki — On the scattering problem of mass-subcritical Hartree equation 259

Makoto Nakamura — Global solutions for nonlinear Schrödinger equations in de Sitter spacetime 311

Pavel I. Naumkin — On the factorization technique for the dispersive nonlinear equations 323

Hironobu Sasaki — Remark on the scattering operator for the quintic nonlinear Dirac equation in one space dimension 351

Takuya Tomidokoro and Tomomi Yokota — Blowup for a complex Ginzburg–Landau equation focusing on the parabolicity 375

Takeshi Wada — Kato type smoothing estimates for magnetic Schrödinger equations with rough potentials 389

Yuta Wakasugi — Second order asymptotic expansion for wave equations with time-dependent dissipation in one-space dimension 401