

CONTENTS

Volume 2

- Patrick BERNARD and Boris BUFFONI — Weak KAM pairs and Monge-Kantorovich duality 397
- Tadahisa FUNAKI — Hydrodynamic limit and nonlinear PDEs with singularities 421
- Norihito KOISO — PDE and differential geometry in study of motion of elastic wires 441
- Corrado MASCIA, Andrea TERRACINA and Alberto TESEI — Evolution of stable phases in forward-backward parabolic equations 451
- Xing-Bin PAN — Analogies between superconductors and liquid crystals: Nucleation and critical fields 479
- Takashi SUZUKI — Method of the blowup envelope and applications 519
- Chiaki HIROTA, Tetsuya ISHIWATA and Shigetoshi YAZAKI — Numerical study and examples on singularities of solutions to anisotropic crystalline curvature flows of nonconvex polygonal curves 543
- Masato IIDA, Kimie NAKASHIMA and Eiji YANAGIDA — On certain one-dimensional elliptic systems under different growth conditions at respective infinities 565
- Kota IKEDA — Stability analysis for a stripe solution in the Gierer-Meinhardt system 573
- Yoshitsugu KABEYA — Perturbation of structures of radial solutions to elliptic equations 589
- Yukio KAN-ON — On the bifurcation structure of positive stationary solutions for a competition-diffusion system 601
- KHIN PHYU PHYU HTOO, Masayasu MIMURA and Izumi TAKAGI — Global solutions to a one-dimensional nonlinear parabolic system modeling colonial formation by chemotactic bacteria 613
- Hiroaki KIKUCHI — Existence of standing waves for the nonlinear Schrödinger equation with double power nonlinearity and harmonic potential 623
- Masataka KUWAMURA — The Hamiltonian formalism in reaction-diffusion systems 635