

Contents

Preface	vii
Travelling waves in nonlinear lattices MICHAL FEČKAN	1
Dynamics of an SEIR model for infectious diseases in random environments YUSUKE ASAI, JIAQI CHENG, and XIAOYING HAN	27
On a Parabolic-ODE chemotaxis system with periodic asymptotic behavior M. NEGREANU, J. I. TELLO, and A. M. VARGAS	55
Atrial fibrillation through strange attractor dynamics MARICEL AGOP, ALINA GAVRILUȚ, LUCIAN EVA, and IULIAN-ALIN ROȘU	93
Good covers for vortex nerve cell complexes. free group presentation of intersecting nested cycles in planar CW spaces J. F. PETERS	139