

# Control and Cybernetics

vol. 49 (2020) No. 3

---

## CONTENTS

---

SERGE NICAISE AND HIZIA BOUNADJA: Wellposedness and long time behavior for a general class of Moore-Gibson-Thompson equations	245
VUQAR SALMANOV: Existence and uniqueness of the solution to the optimal control problem with integral criterion over the entire domain for a nonlinear Schrödinger equation with a special gradient term	277
VLADIMIR S. MUKHA: Bayesian multidimensional-matrix polynomial empirical regression	291
WEN LIU, CHI ZHANG, XIAO-XIONG HU, JIAN-BO CAO, LIJIAO LIU, XIN-YU YE, LI LIN AND XUN-JI QI: A dynamic model for the heat transfer behavior of a cooling system	315
UTTAM KUMAR KHEDLEKAR, RAM KUMAR TIWARI AND RAMKRISHNA TIWARI: Dynamic pricing policy in a growing market for a deteriorating product	333