

## CONTENTS

### Articles:

|   |     |
|---|-----|
| <i>Petr Vaněk, Marian Brezina</i> : Nearly optimal convergence result for multigrid with aggressive coarsening and polynomial smoothing .....                       | 369 |
| <i>Fadi Awawdeh, Hamed M. Obiedat</i> : Identification problems for degenerate parabolic equations .....  | 389 |
| <i>Petr Salač</i> : Optimal design of the cooling plunger cavity .....  | 405 |
| <i>Sanjoy Ghosal</i> : Statistical convergence of a sequence of random variables and limit theorems .....   | 423 |
| <i>Ali R. Soheili, Mahdieh Arezoomandan</i> : Approximation of stochastic advection diffusion equations with stochastic alternating direction explicit methods .... | 439 |
| <i>Nguyen Thanh Hong, Trinh Tuan, Nguyen Xuan Thao</i> : On the Fourier cosine—Kontorovich-Lebedev generalized convolution transforms .....                         | 473 |

### Book reviews:

|  |     |
|--|-----|
| <i>H. Zhang, D. Liu</i> : Fuzzy Modeling and Fuzzy Control .....   | 487 |
| <i>R. Vandebril, M. Van Barel, N. Mastronardi</i> : Matrix Computations and Semiseparable Matrices. Vol. 2: Eigenvalue and Singular Value Methods .... | 488 |