

# CONTENTS

1- and 2-Elementary Matrices <i>Helena Říhová, Jaroslav Vild</i>	5
Acyclic Petri Nets and Diophantine Equations <i>Karel Mačák</i>	13
Boundness and Stability of the Solution of Differential Equations <i>František Tumajer</i>	23
Breakdown Point and Tail Behavior of Location Estimators <i>Jan Picek</i>	31
Exponential Diophantine Equations $2^a + P^b = 2^c + Q^d$ <i>Miroslav Koucký</i>	41
Geostatistical Estimate of Stock <i>Jiří Kadeřábek, Vladimír Kracík</i>	49
Low - Rank Matrices <i>Daniela Bittnerová, Jaroslav Vild</i>	53
Mixed - Hybrid Finite Elementes for the Potential Flow Problems <i>Jiří Maryška, Dalibor Frydrych</i>	63
On Difference Equation $y_{i+1} - y_{i-1} = 2h f(x_i, y_i)$ <i>Miloslav Nekvinda</i>	79
On the Sums of Degrees of Vertices of a Graph <i>Bohdan Zelinka</i>	87
Optimal Design of a Rotational Symmetrical Load Elastic Plate <i>Petr Salač</i>	91
The Mathematician and Management <i>Petr Golka</i>	101
Tolerances on Conservative Semigroups <i>Bohdan Zelinka</i>	105
Utilization of Spectral Density in Optimization of the Drilling Grid <i>Jiří Kadeřábek, Vladimír Kracík</i>	111
Die Anfänge der Mathematik in Liberec <i>Karel Mačák</i>	115