

Table of Contents

<i>Parallel Newton-Raphson Methods for unconstrained Minimization with asynchronous Updates of the Hessian Matrix or its Inverse</i>	
F.A. Lootsma	1
<i>A parallel Algorithm for homogeneous Functions and its Implementation on a SIMD-type Computer</i>	
R. Gehne	19
<i>Pseudo-Parallelity and distributed Programming under UNIX-System V</i>	
C. Bierwirth, D.C. Mattfeld, S. Stöppler	35
<i>Mixed-integer linear Optimization on a PC-Net</i>	
B. Schwartz	45
<i>Parallel nonlinear Optimization on a Multiprocessor System with distributed Memory</i>	
H. Boden, R. Gehne, M. Grauer.....	65
<i>Implementing Branch-and-Bound Algorithms on a Cluster of Workstations - A survey, some new Results and open Problems</i>	
A. Taudes, Th. Netousek.....	79
<i>About the Development of the integrated System "OpTiX" for nonlinear Optimization</i>	
M. Grauer, F. Brüggemann, H. Boden, St. Albers, M. Frommberger	103
<i>PCL - a Language for parallel Optimization on distributed Workstations</i>	
M. Frommberger, F. Brüggemann, M. Grauer.....	115
<i>VOpTiX - an object-oriented Environment for parallel Optimization</i>	
F. Brüggemann, M. Grauer	135
<i>Concepts in optimizing simulated annealing Schedules: an adaptive approach for parallel and vector machines</i>	
K.H. Hoffmann, D. Würtz, C. de Groot, M. Hanf.....	154
<i>Scalable Parallelism by evolutionary Algorithms</i>	
F. Hoffmeister	175
<i>A structured distributed genetic Algorithm for Function Optimization</i>	
H.-M. Voigt, J. Born	197