

- 1 Data Flow Analysis Uday P. Khedker p. 1
- 2 Automatic Generation of Code Optimizers from Formal Specifications Vineeth Kumar Paleri p. 61
- 3 Scalar Compiler Optimizations on the Static Single Assignment Form and the Flow Graph Y.N. Srikant p. 99
- 4 Profile-Guided Compiler Optimizations Rajiv Gupta and Eduard Mehofer and Youtao Zhang p. 143
- 5 Shape Analysis and Applications Reinhard Wilhelm and Thomas Reps and Mooly Sagiv p. 175
- 6 Optimizations for Object-Oriented Languages Andreas Krall and Nigel Horspool p. 219
- 7 Data Flow Testing Rajiv Gupta and Neelam Gupta p. 247
- 8 Program Slicing G.B. Mund and D. Goswami and Rajib Mall p. 269
- 9 Debuggers for Programming Languages Sanjeev Kumar Aggarwal and M. Sarath Kumar p. 295
- 10 Dependence Analysis and Parallelizing Transformations Sanjay Rajopadhye p. 329
- 11 Compilation for Distributed Memory Architectures Alok Choudhary and Mahmut Kandemir p. 373
- 12 Automatic Data Distribution J. Ramanujam p. 409
- 13 Register Allocation K. Gopinath p. 461
- 14 Architecture Description Languages for Retargetable Compilation Wei Qin and Sharad Malik p. 535
- 15 Instruction Selection Using Tree Parsing Priti Shankar p. 565
- 16 Retargetable Very Long Instruction Word Compiler Framework for Digital Signal Processors Subramanian Rajagopalan and Sharad Malik p. 603
- 17 Instruction Scheduling R. Govindarajan p. 631
- 18 Software Pipelining Vicki H. Allan and Stephen J. Allan p. 689
- 19 Dynamic Compilation Evelyn Duesterwald p. 739
- 20 Compiling Safe Mobile Code R. Venugopal and Ravindra B. Keskar p. 763
- 21 Type Systems in Programming Languages Ramesh Subrahmanyam p. 801
- 22 Introduction to Operational Semantics Sanjeeva Prasad and S. Arum-Kumar p. 841
- Index p. 891