Mixed-signal Layout Generation Concepts

[DOWNLOAD HERE](#)

Preface. List of Abbreviations. - 1: Introduction. 1.1. Outline of the Book. - 2: Mapping Problems in the Design Flow. 2.1. Top-Down Flow and Bottom-Up Approach. 2.2. The Mapping Problem. 2.3. Placement and Routing Constraints. - 3: Optimization Methods. 3.1. VLSI Optimization Methods. 3.2. Simulated Annealing. 3.3. Concluding Remarks. - 4: Optimization Approach Based on Simulated Annealing. 4.1. Optimization Flow. 4.2. Problem Representation. 4.3. Perturbation Operators. 4.4. Acceptance and Generation Functions. 4.5. Temperature Schedule. 4.6. Stop Criterion. 4.7. Cost Function. 4.8. Concluding Remarks. - 5: Efficient Algorithms and Data Structures. 5.1. Computational Model. 5.2. Asymptotic Analysis. 5.3. Computational Complexity. 5.4. Data Structures for CAD. 5.5. Concluding Remarks. - 6: Placement. 6.1. Previous Work. 6.2. Effective and Efficient Placement. 6.3. Representation Generality, Flexibility and Sensitivity. 6.4. Sequence Pair Representation. 6.5. Graph-Based Packing Computation. 6.6.Non-Graph-Based Packing Computation. 6.7. Graph-Based Incremental Placement Computation. 6.8. Implementation Considerations. 6.9. Experimental Results. 6.10. Placement-to-Sequence-Pair Mapping. 6.11.Constrained Block Placement. 6.12. Concluding Remarks. 7: Routing. 7.1. The Routing Problem. 7.2./STRON EAN/ISBN : 9780306487255 Publisher(s): Springer Netherlands, Springer US Discussed keywords: Signalverarbeitung Format: ePub/PDF Author(s): Lin, Chieh - Roermund, Arthur H. M. van - Leenaerts, Domine M. W.

[DOWNLOAD HERE](#)

Similar manuals: