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Mark Allen Weiss' successful book provides a modern approach to algorithms and data structures using the C programming language. The book's conceptual presentation focuses on ADTs and the analysis of algorithms for efficiency, with a particular concentration on performance and running time. The second edition contains a new chapter that examines advanced data structures such as red black trees, top down splay trees, treaps, k-d trees, and pairing heaps among others.

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W. Sun and M. A. Weiss. ``An Improved Algorithm for Implication Testing Involving Arithmetic Inequalities," IEEE Transactions on Knowledge and Data Engineering 6 (1994), 997-1001. S. Guo, W. Sun, and M. A. Weiss, ``On Solving Satisfiability, Implication, and Equivalence Problems Involving Conjunctive Inequalities in Database Systems," IEEE Transactions on Knowledge and Data Engineering 8 (1996), 604-616.

Mark Allen Weiss Home Page

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