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Parallel sorting algorithms (eBook, 1985) [WorldCat.org]

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The design and analysis of parallel algorithms

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Emergent Computation | SpringerLink

Selim G. Akl is a professor at Queen's University in the School of Computing, where he leads the Parallel and Unconventional Computation Group. His research interests are primarily in the area of algorithm design and analysis, in particular for problems in parallel computing and unconventional computation .

Selim Akl - Wikipedia

Abstract. We develop parallel algorithms for both one-dimensional and two-dimensional versions of the maximum sum problem (or max sum for short) on several interconnection networks. These algorithms are all based on a simple scheme that uses prefix sums. To this end, we first show how to compute prefix sums of N elements on a hypercube, a star,...

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Selim G. Akl (Author of The Design and Analysis of ...

Selim G. Akl is the author of The Design and Analysis of Parallel Algorithms (3.90 avg rating, 10 ratings, 1 review, published 1989), Parallel Sorting Al...

Parallel Sorting Algorithms - 1st Edition

Selim G. Akl is a professor at Queen's University in the Queen's School of Computing, where he leads the Parallel and Unconventional Computation Group. His research interests are primarily in the area of algorithm design and analysis, in particular for problems in parallel computing and unconventional computing.

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Parallel Sorting Algorithms: Selim G. Akl, Werner ...

An understanding of the role of parallel algorithms and the technical knowledge for designing and analyzing them are essential to anyone entering the field of parallel computation. Familiarity with the models associated with the algorithms is also essential. Thus, focusing on "models and methods, " author Selim G. Akl presents the following areas of parallel computation: an overview of the ...

Parallel Algorithms Selim G Akl

Selim G. Akl (Ph.D. McGill, 1978) - Queen's University

This book is dedicated to Professor Selim G. Akl to honour his groundbreaking research achievements in computer science over four decades. The book is an intellectually stimulating excursion into emergent computing paradigms, architectures and implementations.

The Design and Analysis of Parallel Algorithms

Selim G. Akl , Ivan Stojmenovic, Generating t-ary trees in parallel, Nordic Journal of Computing, v.3 n.1, p.63-71, Spring 1996 L. I. Kontothanassis , M. L. Scott, Software cache coherence for large scale multiprocessors, Proceedings of the 1st IEEE Symposium on High-Performance Computer Architecture, p.286, January 22-25, 1995

Parallel Computation: Models and Methods - Selim G. Akl ...

Dr. Selim Akl, Professor in the School of Computing at Queen's University, is a worldwide expert in the fields of parallel computing and algorithm design. His 40+ years of research have focused on design and analysis of efficient solutions to computational problems with enormous processing time requirements.