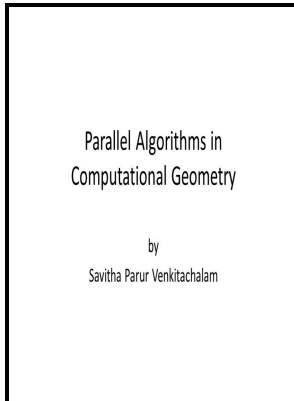


Serial and parallel implementation of geometric algorithms.

University of East Anglia - Parallel implementation of geometric shortest path algorithms



Description: -

-serial and parallel implementation of geometric algorithms.

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Notes: Thesis (Ph.D), University of East Anglia, School of Information Systems, 1990.

This edition was published in 1990



Filesize: 25.101 MB

Tags: #Serial #Implementation

Solving symmetric eigenvalue problem via genetic algorithms: Serial versus parallel implementation

First, it avoids the need to have an identity element when computing the first output value of an exclusive scan. In other words, exclusive scan excludes the n th input value. This is a practical example of Amdahl's law, which states that the total speedup is limited by the proportion of code that is left unparallelized.

Serial Implementation

The Becke kernel accounts for up to 98% of the total CPU runtime, but on the GPU it is overshadowed by the previously insignificant atom list step. We also summarize the interface and characteristics of the scan implementation we will present for Cilk Plus and give a three-phase implementation of scan in OpenMP.

CiteSeerX — Parallel Implementation of Geometric Shortest Path Algorithms

No additional workers can be added if they become available, and no committed workers can be removed until the parallel region completes. Unzip simply reverses a zip, extracting subarrays at certain offsets and strides from an input array.

British Library EThOS: The serial and parallel implementation of geometric algorithms.

In order to reduce the impact of the cross referencing between cells required by the lumping process, a grouping process similar to that used in a distributed memory paradigm is employed.

Serial Implementation

In addition, the length of the pipeline directly limits the amount of parallelism that can be achieved i.

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A bit- serial implementation of a third order transversal filter is shown in fig.

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