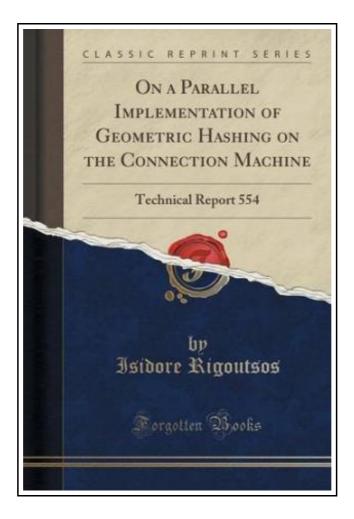
## On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint)



Filesize: 4.34 MB

## Reviews

The publication is easy in read through preferable to fully grasp. It is writter in simple phrases instead of hard to understand. You will not sense monotony at at any moment of your respective time (that's what catalogs are for concerning if you request me).

(Kevin Bergstrom Sr.)

## ON A PARALLEL IMPLEMENTATION OF GEOMETRIC HASHING ON THE CONNECTION MACHINE: TECHNICAL REPORT 554 (CLASSIC REPRINT)



To get On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint) eBook, remember to access the button beneath and download the ebook or have access to other information which are related to ON A PARALLEL IMPLEMENTATION OF GEOMETRIC HASHING ON THE CONNECTION MACHINE: TECHNICAL REPORT 554 (CLASSIC REPRINT) book.

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Excerpt from On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 We report on a scalable parallel implementation of geometric hashing on a Connection Machine. The algorithm that is employed has been described in [9]. Using the resulting implementation, it is possible to recognize models consisting of patterns of points embedded in scenes, independent of translation, rotation, and scale changes, when there are thousands of models containing approximately 16 points each, with scenes consisting of hundreds of points, where most of the scene points are spurious noise points, and where embedded model points in the scene may be obscured or misplaced. With 1024 models and a scene of 200 points, the implementation yields an execution time of 70 milliseconds per probe on a 64K-processor Cm-2 parallel computer. Most of the execution time is taken in performing histograms of (model, basis-set) records. The algorithm is scalable, yielding an expected execution time that is O(log M + log S log M) in a Mn -processor hypercube-connected SIMD machine such as the Connection Machine. M is the number of models, n is the number of points per model, and S is the number of scene points. We also describe and report on a series of experiments for both the similarity and rigid transformation cases; these experiments provide information about detection and false alarm rates for varying amounts of noise in the input. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing...

Read On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint) Online

Download PDF On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint)

## Other PDFs



[PDF] The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574)

Access the web link beneath to download "The First Epistle of H. N. a Crying-Voyce of the Holye Spirit of Loue. Translated Out of Base-Almayne Into English. (1574)" PDF document.

Download ePub »



[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Access the web link beneath to download "Children's Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" PDF document.

Download ePub »



[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Access the web link beneath to download "Children's Educational Book Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" PDF document.

Download ePub »



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Access the web link beneath to download "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" PDF document.

Download ePub »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Access the web link beneath to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)" PDF document.

Download ePub »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Access the web link beneath to download "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" PDF document.

Download ePub »