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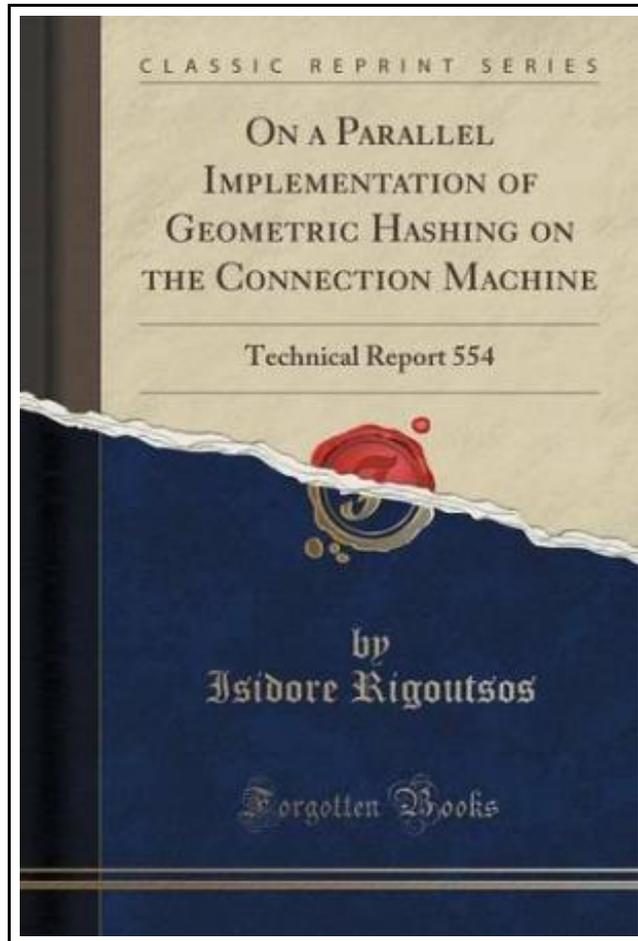 On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint) (Paperback)

Filesize: 5.64 MB

Reviews

Very beneficial to all category of folks. We have study and that i am sure that i will planning to go through yet again again in the future. Its been printed in an extremely straightforward way in fact it is just soon after i finished reading this pdf where actually changed me, alter the way i really believe.
(Emmett Mann)

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

To get **On a Parallel Implementation of Geometric Hashing on the Connection Machine: Technical Report 554 (Classic Reprint) (Paperback)** PDF, please follow the link below and download the document or get access to additional information that are relevant to ON A PARALLEL IMPLEMENTATION OF GEOMETRIC HASHING ON THE CONNECTION MACHINE: TECHNICAL REPORT 554 (CLASSIC REPRINT) (PAPERBACK) 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) (Paperback) Online**

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

Related Books

[PDF] Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War (Paperback)

Follow the web link beneath to download "Valley Forge: The History and Legacy of the Most Famous Military Camp of the Revolutionary War (Paperback)" document.

Download eBook »

[PDF] The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)

Follow the web link beneath to download "The Voyagers Series - Europe: A New Multi-Media Adventure Book 1 (Paperback)" document.

Download eBook »

[PDF] Jack Drummond s Christmas Present: Adventure Series for Children Ages 9-12 (Paperback)

Follow the web link beneath to download "Jack Drummond s Christmas Present: Adventure Series for Children Ages 9-12 (Paperback)" document.

Download eBook »

[PDF] Fart Book African Bean Fart Adventures in the Jungle: Short Stories with Moral (Paperback)

Follow the web link beneath to download "Fart Book African Bean Fart Adventures in the Jungle: Short Stories with Moral (Paperback)" document.

Download eBook »

[PDF] The Voyagers Series - Africa: Book 2 (Paperback)

Follow the web link beneath to download "The Voyagers Series - Africa: Book 2 (Paperback)" document.

Download eBook »

[PDF] Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)

Follow the web link beneath to download "Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures) (Paperback)" document.

Download eBook »