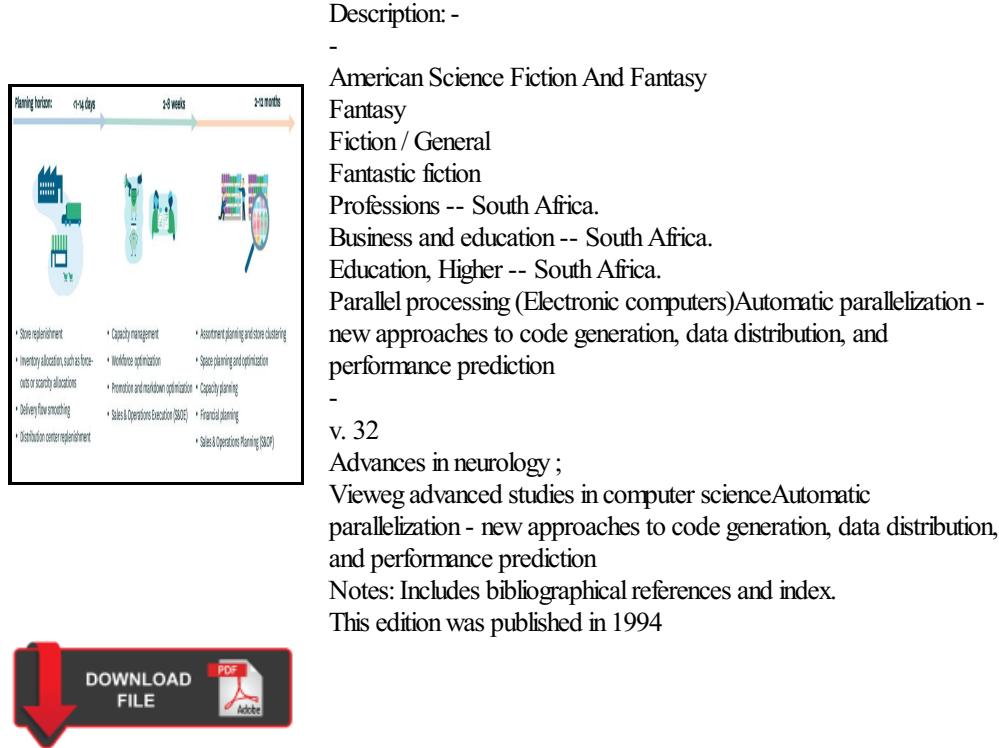# Automatic parallelization - new approaches to code generation, data distribution, and performance prediction

Vieweg - J. (Ram) Ramanujam: Publication List

Description: -

-

American Science Fiction And Fantasy
Fantasy
Fiction / General
Fantastic fiction
Professions -- South Africa.
Business and education -- South Africa.
Education, Higher -- South Africa.
Parallel processing (Electronic computers)Automatic parallelization - new approaches to code generation, data distribution, and performance prediction

-

v. 32
Advances in neurology ;
Vieweg advanced studies in computer scienceAutomatic parallelization - new approaches to code generation, data distribution, and performance prediction
Notes: Includes bibliographical references and index.
This edition was published in 1994

Filesize: 45.29 MB

Tags: #Programming #with #Auto

Programming with Auto

The remaining blocks process each BB separately.

Autotuning for Automatic Parallelization on Heterogeneous Systems

The second direction will be the improvement of parallel loops recognition. More than 8 partitions would render lower speedup due to the large edge-cuts, and a lot of added synchronization instructions. Similar to programmable devices such as processors or micro controllers also reconfigurable logic devices can be built as software, by programming the configuration of the device.

J. (Ram) Ramanujam: Publication List

In particular, an acyclic call path is encoded into one number through only integer additions.

Automatic Parallelization: New Approaches to Code Generation, Data Distribution, and Performance Prediction by Christoph W. Kessler, Paperback

We demonstrate the effectiveness of Parallel Prophet in eight benchmarks in the OmpSCR and NAS Parallel benchmarks by comparing our predictions with actual parallelized code. Kismet differs from previous approaches in that it does not require any manual analysis or modification of the program.

Related Books

- Contre Julien
- Maschinelle Kunst des Denkens - Perspektiven und Grenzen der Künstlichen Intelligenz
- Proceedings of NCMEC III 95 - the Third National Concrete and Masonry Engineering Conference, June 1
- New life in the parish
- Daniel Boone - the life and legend of an American pioneer