

Title

Sketching Library for GPUs
GPU Parallelization of the Li-Stephens Method for Genetic Imputation
Forward computation of CNN on Raspberry Pi GPU
Fast Parallel DFA Minimization
Odds Makers: Parallelized Betting on Sports
GPU Accelerated Low Poly Image and Video Artwork Generation
Parallelism in Bioinformatic World: Large Parsimony Problem
Parallelizing Aggregate Operators for Peloton In-Memory DBMS
Parallelizing RNNs Using Scan
Parallelizing Conway's Game of Life
Analyzing and Parallelizing Image Convolution with CUDA, OpenMP and MPI
Portrait Mode
Evaluation of the Intel Turbo Boost feature with GraphRats
Polygon: Parallel Low-Poly Style Rendering with Metal
Parallel Triangle Enumeration using Linear Algebra
Optimizing Graph Search Algorithms
Parallel Lock-Free K-Dimensional Trees
Parallel Shortest Paths
Lock Free Binary Search Tree
Parallel Label Propagation for Graph Clustering on the GPU
On-device Depthwise Convolution Inference Acceleration for Mobile Deep Learning Architecture
Exploring Efficient Communication in Distributed Deep Learning
Synchrony
Ultra-Sort: Extremely Parallel Hardware Optimized Sorting
Neural Network Framework for Raspberry Pi
CORGY: A Neural Network Framework Parallelized by Metal 2
Text Classification with Parallel Latent Dirichlet Allocation
Floyd-Warshall vs. Johnson: Solving All Pairs Shortest Paths in Parallel
Parallel Terrain Generation
Parallel Compression Using Huffman Coding
A CUDA Implementation of Covariance Matrix Adaptation Evolution Strategy
Identifying Strongly Connected Components using CUDA
Go HOV (transactional memory in Go)
Parallel Word Search Solver
Regex Engine in CUDA
Using SIMD Intrinsics in Peloton to speedup up operations
Parallelizing Prediction by Partial Matching Compression

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Nonogram Solver	Ian Lo	Pranjali Rathi
Evaluating Parallel Maximum Flow Algorithms	Aayush Bhutani	Raziq Mohideen
GPU-accelerated Interactive Sound Propagation	Winston Ching	
Optimization of Parallel Matrix Multiplication	Min Yang	Yijia Jin
CUDA Stitcher	Ronit Banerjee	Samuel Westenberg
Super Resolution Images with Parallel Computing	David Bang	Yong Jin Ahn
Parallelization of the PEDSIM Pedestrian Crowd Simulator	Sam Kim	Witold Passerat De La Chapelle
spEEdy-G (EEG processing in CUDA)	Karan Gogle	Rahul Jaisingh
Parallel Page Rank Algorithm	Rahul Raja	Chinway Gadgil
Accelerating Gradient Boosting	Akshit Sharma	Swetha Mandava
Parallel Image Stitching	Amber Jones	Marcus Greer
Parallel Drone Swarm Simulation and Planning	Emily Newman	Grant Wu
2 ¹⁰ : Parallel Minimax Algorithms Applied to 2048	Grant Campfield	Harry Xu
Parallelize Random Projection based Locality Sensitive Hashing	Shaoxiong Zhang	Yikang Liao
Word Search Solver	Keven Chionh	
Deep Learning Inference Framework for Android Smartphones	Mingquan Chen	Varun Joshi
Comparing Mainstream Distributed NN Frameworks	Jimin Han	Junting Chen
cuDemosaic	Timothy Bloch	Joey Gibli
Parallel Brute Force Cracking Algorithm	Chaitanya Lokireddy	Charles Meng
Parallelizing Plane Detection Algorithms for AR Applications	Krishna Kumar Reghu Kumar	Sumanth Sridhar
Parallel 2D Heat Conduction Simulation Using Laplace's Equation	Natalie Fan	
Parallel Splash Belief Propagation	Ryan Brigden	Vidhan Agarwal
Seam Carving in Parallel	Alex Yeh	Elim Zhang
Interactive Path Tracing on GPUs using Cache-Optimized BVH Traversal and Denoising Algorithms	Sai Praveen Bangaru	Sam Kurian Thomas
Simulation of PDEs for Surface Waves	Raymond Kang	Xinyu Wu
Parallel Selective Search for Object Recognition	David Dong	
Static/Dynamic Partitioning of CUDA Cores on Volta Architecture to Improve Real Time Schedulability	Albert Davies	Swadhin Ajay Thakkar
Running Multiple Neural Networks on the Same GPU	Hariank Muthakana	Rishub Jain
Parallel Computation of the Tutte Polynomial	Akira Kyle	
Speeding Up Video Stabilization Using Parallel Computing	Sam Fazel-Sarjui	Tushar Agarwal
Foundation Game Simulation	Joshua Freudenhammer	Katherine Kireeva
Implementing Parallel Image Segmentation	Raunak Gupta	Stephen He