

## Image Processing Algorithm Optimization With Cuda For Pure

**optimization of an image processing algorithm: histogram ...** - Histogram equalization is a popular image processing algorithm used to increase the contrast of an image to better highlight its features. It is a common algorithm used in many scientific applications such as x-ray imaging, thermal imaging and as a pre-processing task for multiple computer vision/deep learning algorithms.

**image segmentation based on particle swarm optimization ...** - Image processing for autonomous m/c application, 3. efficient storage and transmission. The process of dividing a digital image into its multiple segments is called as digital image segmentation. It is one of the complex and essential tasks of image processing ... optimization algorithm and its application to

**expert systems with applications -** ... - examines the ability of two nature inspired algorithms namely: whale optimization algorithm (woa) and the optimization optimal multilevel thresholding for image segmentation. The mfo algorithm is inspired from the natural behavior of moths which have a special navigation

**implementation of image processing algorithms on fpga ...** - implementation of algorithms suited to video image processing applications. The unique architecture of the fpga has allowed the technology to be used in many such applications encompassing all aspects of video image processing [1,2]. The goal of this thesis is to develop fpga realizations of three such algorithms on two fpga architectures.

**image segmentation using thresholding and genetic algorithm** - image segmentation using thresholding and genetic algorithm #p. Kanungo, p. k. Nanda and u. c. Samal image processing and computer vision lab. Department of Electrical Engineering National Institute of Technology, Rourkela 769008 priyadarshikanungo@rediffmail, pknanda@nitrrkl, umeshmal@rediffmail abstract

**application of genetic algorithm for image enhancement and ...** - image using genetic algorithm. Genetic algorithm is the unbiased optimization technique. It is useful in image enhancement and segmentation. GA was proven to be the most powerful optimization technique in a large solution space. This explains the increasing popularity of GA applications in image processing and other fields.

**image processing optimization by genetic algorithm with a ...** - methods for the optimization of 32 x 32 and 128 x 128 holograms. keywords: optimization; genetic algorithm; image processing 1. introduction in the last ten years, iterative optimization techniques have been applied in a wide range of domains, from electronic circuit design to image processing.

**decoupling algorithms from scheduler easy optimization ...** - for easy optimization of image processing pipelines 1 abstract 2 using existing programming tools, writing high-performance image processing code requires sacrificing readability, portability, and 4 modularity. We argue that this is a consequence of conducting what 5 computations define the algorithm, with decisions about storage

**design and optimization of image processing algorithms on ...** - design and optimization of image processing algorithms on mobile gpu Nitin Singhal Samsung Electronics Co. Ltd., Suwon 443-742, Korea Jin Woo Yoo Ho Yeol Choi in Kyu Parky Inha University, Incheon 402-751, Korea 1 introduction the advent of GPUs with programmable shaders on mobile phones has motivated developers to utilize GPU to of load ...

**an efficient algorithm based on modularity optimization** - digital image processing is the use of computer algorithms to perform image processing on digital images. as a subcategory or field of digital signal processing, digital image processing has many advantages ... an efficient algorithm based on modularity optimization ... an efficient algorithm based on modularity optimization | ijmer ...

**image optimization and prediction - arxiv** - image processing provides a way to analyze and identify an image ny areas like medical image processing, satellite images, natural images and artificial images requires lots of analysis and research on optimization. in image optimization and prediction we are combining the features of query optimization , image processing and prediction .

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