

Evolutionary Optimization has attracted many researchers to use it in solving many optimization problems that have no trivial solutions. Some of these techniques include; Genetic Algorithms (GA), Simulated Annealing (SA), Artificial Bee Colony (ABC), Ant Colony Optimization (ACO), etc. This book covers; The comparison of GA, SA, ABC and ACO in TSP, ACO algorithm for Edge Detection, DWT-Based ACO algorithm for Edge Detection, DWT Sub-Band fusion using ACO for Edge Detection, Summary and discussions.

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Result In this paper, we propose to use discrete wavelet transform (DWT) as a preprocessing step with ACO to enhance image edge detection. The proposed algorithm **Performance Enhancement in Image Edge Detection - IEEE Xplore** A modified ant colony based approach to digital image edge detection DWT-Based Ant Colony Optimization for Edge Detection [Aminu Muhammad] on . *FREE* shipping on qualifying offers. Evolutionary Optimization **Performance enhancement in image edge detection technique** 12. Febr. 2016 DWT-Based Ant Colony Optimization for Edge Detection, 978-3-659-82330-5, Evolutionary Optimization has attracted many researchers to use **DWT-Based Ant Colony Optimization for Edge Detection** An improved method of image edge detection based on wavelet transform on DWT subbands fusion using ant colony optimization for edge detection. **DWT-Based Ant Colony Optimization for Edge Detection - MoreBooks!** heuristic algorithm is used for the image edge detection. Ant colony Direction Controlled Ant Colony Optimization, Discrete Wavelet. Transform, Dual Tree **Analysis and Synthesis of an Ant Colony Optimization Technique for** Improved Canny Edges Using Ant Colony Optimization on ResearchGate, the solve the problem of linking disjointed edges produced by Canny edge detector. **Noisy images edge detection: Ant colony optimization algorithm :** DWT-Based Ant Colony Optimization for Edge Detection: Aminu Muhammad: ??.

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