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2021-06-15

MAYA HULL

Improved Phasor Particle Swarm Optimization with Fitness

Apr 19, 2022 · One of the most popular SI paradigms, the Particle Swarm Optimization algorithm (PSO), is presented in this work Many changes have been made to PSO since

Feb 24, 2023 · Then, particle swarm optimization (PSO)-based intelligent PID and I controllers were developed for maximizing the route-tracking performance of AGV and *A Gentle Introduction to Particle Swarm Optimization*

1 2 1 Optimization Neural Network / 5 1 2 2 Evolutionary Algorithms / 5 1 2 3 Tabu Search / 6 1 2 4 Particle Swarm Optimization / 6 1 3 Application of Fuzzy Set Theory / 6

Particle swarm optimization selection based on the TOPSIS

Jan 1, 2017 · The particle swarm is a population-based stochastic algorithm for optimization which is based on social-psychological principles Unlike evolutionary

The particle swarm optimization algorithm: convergence analysis

Aug 14, 2019 · In this article, we investigate the tuning problem of digital proportional-integral-derivative (PID) parameters for a dc motor controlled via the controller are

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Jan 30, 2021 · 3 2 Particle Swarm Optimization PSO algorithms are based upon the swarm behavior that some animal species show when they search for resources in their

Particle swarm optimization-based

algorithms for TSP

Nov 27, 1995 · Particle swarm optimization Abstract: A concept for the optimization of nonlinear functions using particle swarm methodology [Particle Swarm Optimization | SpringerLink](#) Oct 11, 2021 · After competing this tutorial, you will know: What is a particle swarm and their behavior under the PSO algorithm What kind of optimization problems can be

Particle Swarm Optimization Algorithm and Its

Real-time optimization by extremum-seeking control / Kartic B Ariyur, Miroslav Krstic' p cm "A Wiley-Interscience publication " Includes bibliographical references and index

An intelligent fuzzy-particle swarm optimization supervisory-based

Aug 31, 2007 · Abstract A novel particle swarm optimization (PSO)-based algorithm for the traveling salesman problem (TSP) is presented An uncertain searching strategy and

[Particle Swarm Optimization, Genetic Algorithm and Grey Wolf](#)

This paper describes the particle swarm optimization concept in terms of its precursors, briefly reviewing the stages of its development from social simulation to optimizer

[Real-Time Optimization by Extremum-Seeking Control - Wiley](#)

Jan 1, 2023 · Improved Phasor Particle Swarm Optimization with Fitness Distance Balance for Optimal Power Flow Problem of Hybrid AC/DC Power Grids In: **SMART OPTIMIZATION OF POWER SYSTEM OPERATION - Wiley**

Jul 10, 2019 · This study proposes an effective control algorithm to maximise the efficiency of fixed-pitch wind turbines with DFIGs using particle swarm optimisation control to

Tuning of Digital PID Controllers Using Particle Swarm

Mar 31, 2003 · The particle swarm optimization algorithm is analyzed using standard results from the dynamic system theory Graphical parameter selection guidelines are

A Particle Swarm Optimal Control Method for DC Motor

May 6, 2023 · This paper presented a triangular fermatean fuzzy sets and operational laws We define Einstein technique to TFFSs and define the multi-attribute group decision

[PDF] Particle swarm optimization | Semantic Scholar

Abstract — In the actual start-up process of DC motors, the DC drive system often faces a conflict between energy consumption and acceleration performance To resolve the

Particle swarm optimization - Wikipedia

Nov 27, 1995 · Particle swarm optimization (PSO) has undergone many changes since its introduction in 1995 As researchers have learned about the technique, they have

A particle swarm optimization algorithm based on an improved Particle swarm optimisation technique to improve energy

Dec 12, 2022 · To solve the nonlinear constrained optimization problem, a particle swarm optimization algorithm based on the improved Deb criterion (CPSO) is proposed Based *Designs of Particle-Swarm-Optimization-Based Intelligent*

In computational science, particle swarm optimization (PSO) is a computational method that optimizes a problem by iteratively trying to improve a candidate solution with regard to a given measure of quality