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## **A Hybrid Particle Swarm Optimization-back-propagation ...**

A Hybrid Particle Swarm Optimization-back-propagation Algorithm For Feedforward Neural Network Training Jing-Ru Zhang A,b,\*, Jun Zhang A, Tat-Ming Lok C, Michael R. Lyu D A Intelligent Computing Lab, Hefei Institute Of Intelligent Machines, Chinese Academy Of Sciences, P.O. Box 1130, Hefei, Anhui 230031, China May 3th, 2024

## **Particle Swarm Optimization Based Fuzzy-Neural Like PID ...**

The Neural Network Training Ability To Adjust The Membership Functions Of A PID Like Fuzzy Neural Controller. The Goal Of ... But To Get The Best Controller Parameters The Particle Swarm Optimization (PSO) Is Used As An Optimization Method For Tuning The PID Parameters. ... The Proposed Controller Using MATLAB Package. Finally, A Conclusion Is ... Feb 1th, 2024

## **Particle Swarm Optimization**

SEAL'06, Hefei, China 3 4/10/2006 13 PSO Precursors Reynolds (1987)'s Simulation Boids - A Simple Flocking Model Consists Of Three Simple Local Rules: N Collision Avoidance: Pull Away Before They Crash Into One Another; N Velocity Matching: Try To Go About The Same Speed As Their Neighbours In The Flock; N Flock Centering: Try To Move Toward The Center Of The Flock As They Jan 1th, 2024

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