Particle Swarm Optimization

With Novel Heuristics

Matthew Neal, Joseph Sankar, Alexander Sobran

10/19/2015

We mean to implement PSO and then run it against all of the models that are in moeaProblems.pdf. We will add a number of different heuristics to our PSO implementation. One such heuristic we have discussed is using one particle as a predator and having it greedily chase the entire swarm’s best known position while the rest of the swarm flees the predator. We hope to implement number of possible heuristics.