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There are a wide variety of metaheuristics and a number of properties with respect to which to classify them. Local search vs. global search. One approach is to characterize the type of search strategy. One type of search strategy is an improvement on simple local search algorithms. 2003-08 2004-05: GenOpt, Generic Optimization Program. Berkeley Lab: Amongst some others: # Particle Swarm Optimization algorithms (for continuous and/or discrete independent variables), with inertia weight or constriction coefficient and velocity clamping, and with a modification that constricts the continuous ...Global Optimization. The occurrence of multiple extrema makes problem solving in nonlinear optimization even harder. Usually the user dreams of the global (best) minimizer, which might be difficult to obtain without supplying global information, which in turn is usually unavailable for a nontrivial case. Editorial. Happy New Year. In this issue, J Kamruzzaman and R Sarker have contributed a technical paper on Comparing ANN Based Models with ARIMA for Prediction of Forex Rates, and we are delighted to be publishing it here as a referred paper for Bulletin readers. - Handbook Of Metaheuristics