costs

Best Path Cost
Mean Cost

Diversity

diversity Indicator
diversity mean

k values

k_selection
k_elimination

Mutation and crossover probability

meamMutation
meamCrossover

populationsize = 200
#selection & elimination
init_k_selection = 5
k_selection = 3
init_k_elimination = 5
k_selection = 3
#mutation
init_mutation_proba = 0.9
percentageOfSwitches = 0.1
numberOfSwitchies = 100
#crossover
init_crossover_proba = 1

iterations = 500
genForConvergence = 5
stoppingConvergenceSlope = 0.0001
numberOfCities = 1000

#diversity
sigma = 100
alpha = 1
sharedCost_percentageOfSearchSpace = 0.1
I: 51 meanObjective:5761742.531070776 bestObjective:5533310.505731637 diff:228432.02533913963
diversityIndicator:0.38790995000000017

mean_mutation:0.10081272686990815 mean_crossover0.8000000000000006
min_mutation:0.1 min_crossover:0.8

select_diversity:False elim_diveristy:True percentageCostSharing:0.7 k_elimDiversity:100

LsoInit:True
LsoToParents:False LsoToWorstOnes:True LsoToRandomSubset:True
percentOfPopuLso:0.1

reDiversificationScheme:False
RandomHardMutationThenLso:False percentHardMutation = 0.1

TIME: selectTime: 2.3044631060431984=>63.36486510312118
TIME: LsoTime: 0.22040858455732756=>6.060483325343867
TIME: elimTime: 0.7282831855848724=>20.025300335874306
TIME: AssesQualityTime:0.38281115831113327=>10.525999458504597
TIME: ReDiversityTime:1.7437280393114276e-06=>4.794656581732551e-05
TIME: ReportTime: 0.0008353626026826747=>0.02296961860329633
TIME: Total iterTime: 3.636815295499914=>100
TOTAL TIME:272.60525393486023