costs

Cost of the Path

— Best Path Cost
— Mean Cost

Iterations

Diversity

DIversity

— diversity Indicator
— · — diversity mean

Iterations

k values

k value

— k_selection
— k_elimination

Iterations

Mutation and crossover probabilit

Probability

— meamMutation
— meamCrossover

Iterations

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 = 0.2
numberOfSwitchies = 50
#crossover
init_crossover_proba = 1

iterations = 500
genForConvergence = 5
stoppingConvergenceSlope = 0.0001
numberOfCities = 250

#diversity
sigma = 25
alpha = 1
sharedCost_percentageOfSearchSpace = 0.1
I: 238 meanObjective:209280.31156540746 bestObjective:175750.49699841122 diff:33529.81456699624
diversityIndicator:0.2896695999999998

mean_mutation:0.10000000000120442 mean_crossover0.7000000000000008
min_mutation:0.1 min_crossover:0.7

select_diversity:False elim_diveristy:True percentageCostSharing:0.7

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

reDiversificationScheme:False
RandomHardMutationThenLso:True percentHardMutation = 0.2

TIME: selectTime: 0.20228438717978342=>17.89141986130443
TIME: LsoTime: 0.17327893681886816=>15.325978712294077
TIME: elimTime: 0.475551595207022=>42.061047687284145
TIME: AssesQualityTime:0.27910780105270255=>24.68620996815319
TIME: ReDiversityTime:1.6198438756606158e-06=>0.00014327011240590257
TIME: ReportTime: 0.0003868501727320567=>0.03421568495850328
TIME: Total iterTime: 1.1306223248233314=>100
TOTAL TIME:270.24821758270264