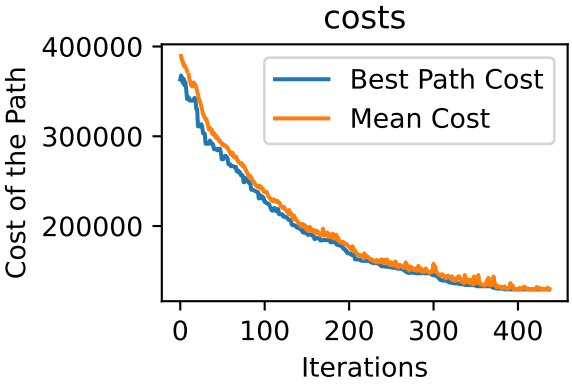
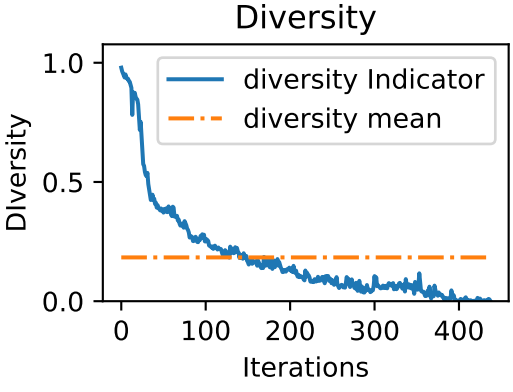
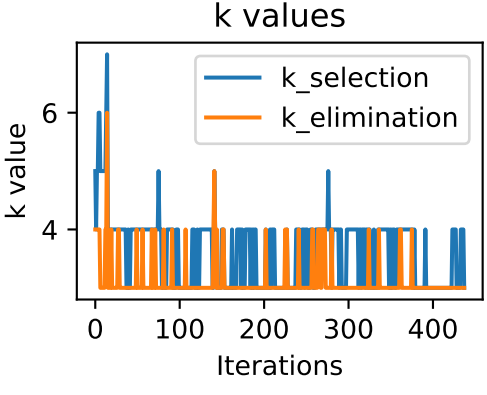
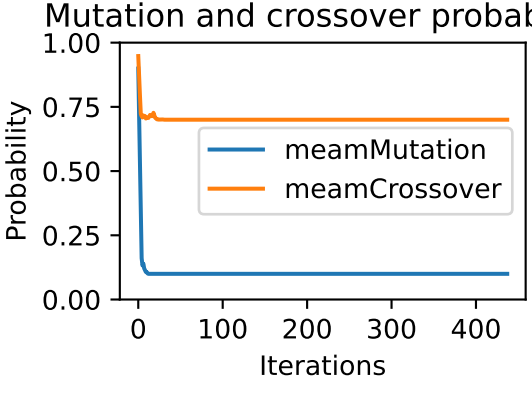

costs
Cost of the Path
400000
300000
200000
Best Path Cost
Mean Cost
0
100
200
300
400
Iterations


Diversity
DIversity
1.0
0.5
0.0
diversity Indicator
diversity mean
0
100
200
300
400
Iterations


k values
k value
6
4
k_selection
k_elimination
0
100
200
300
400
Iterations


Mutation and crossover probabilit
Probability
1.00
0.75
0.50
0.25
0.00
meamMutation
meamCrossover
0
100
200
300
400
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: 437 meanObjective:129716.82784338195 bestObjective:129361.87465124553 diff:354.95319213642506
diversityIndicator:0.002188399999999998

mean_mutation:0.10000000000000007 mean_crossover0.7000000000000008
min_mutation:0.1 min_crossover:0.7

select_diversity:True elim_diveristy:False percentageCostSharing:0.5

LsoInit:False
LsoToParents:False LsoToWorstOnes:False LsoToRandomSubset:True
percentOfPopuLso:0.25

reDiversificationScheme:False
RandomHardMutationThenLso:True percentHardMutation = 0.2

TIME: selectTime: 0.2193285464149318=>35.57528934863659
TIME: LsoTime: 0.0665246283707957=>10.790355116950048
TIME: elimTime: 0.06504678726196289=>10.55064794742103
TIME: AssesQualityTime:0.2652346744144536=>43.02130498660532
TIME: ReDiversityTime:1.6716579550736555e-06=>0.0002711443794830513
TIME: ReportTime: 0.00037177476511939987=>0.06030220442268719
TIME: Total iterTime: 0.6165193605750322=>100
TOTAL TIME:270.1455092430115