Xcs report

DR.SHARIAT PANAH | XCS project

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| parameter	value
Population size	500
Train set size	1529
Test set	170
GA threshold "T_{GA}"	23
Crossover rate	0.7
Mutation Probability	0.03
As_{min}	2
Learning coefficient "beta"	0.6 to 0.1 (**)
Accuracy power "gamma"	5
Minimum prediction error	2.5
initial prediction	a random number of [0-20]
Initial fitness	a random number of [0-20]
Initial error (Prediction error of classifier i)	4* Minimum prediction error
Reward	a random number of [0-20]
stopping criterion	90% coverage of test set

Maximum & average of fitness
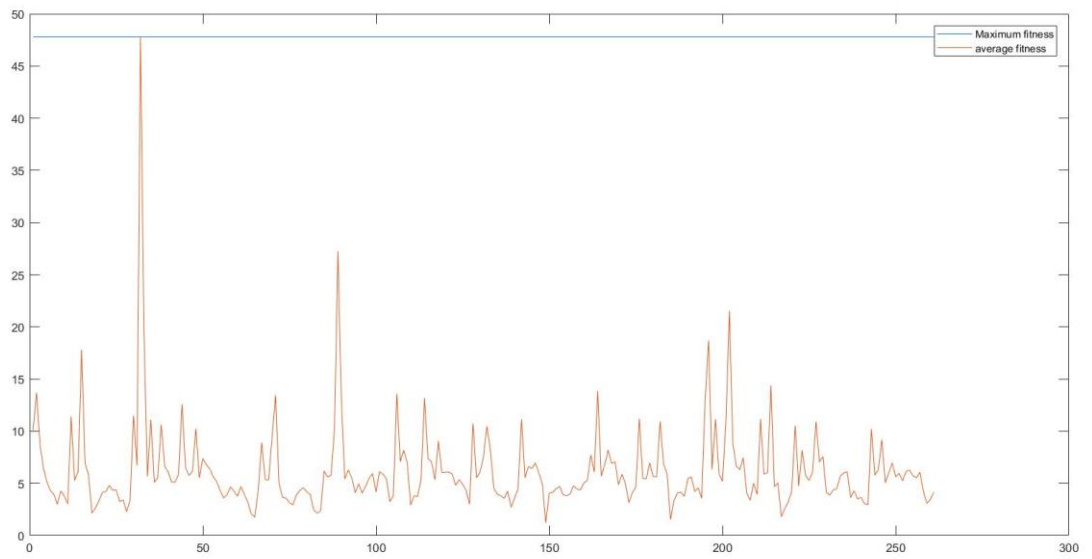
Stop criterion

Generated Classifiers
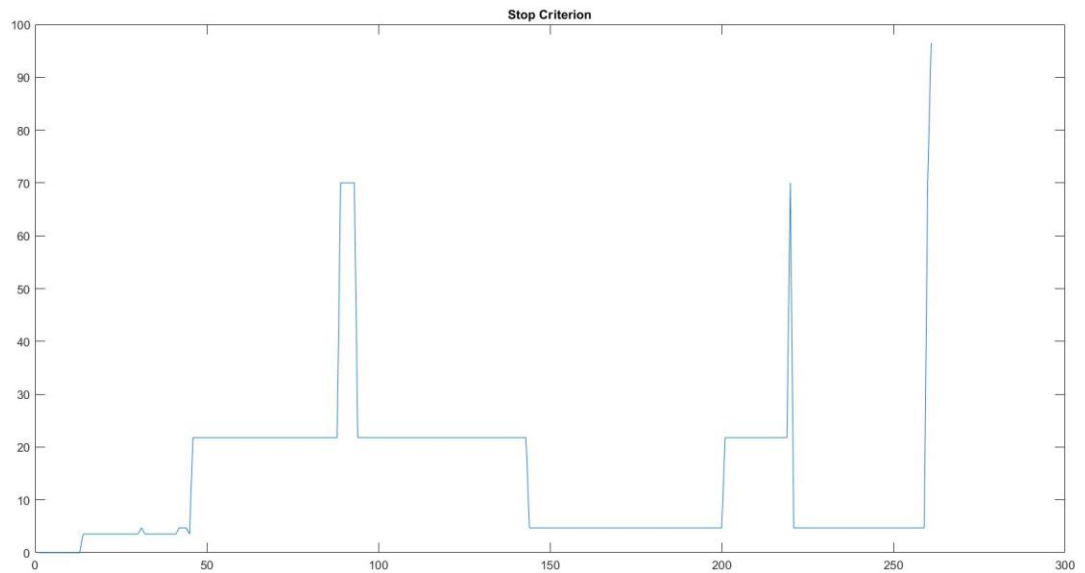
Generated Classifiers
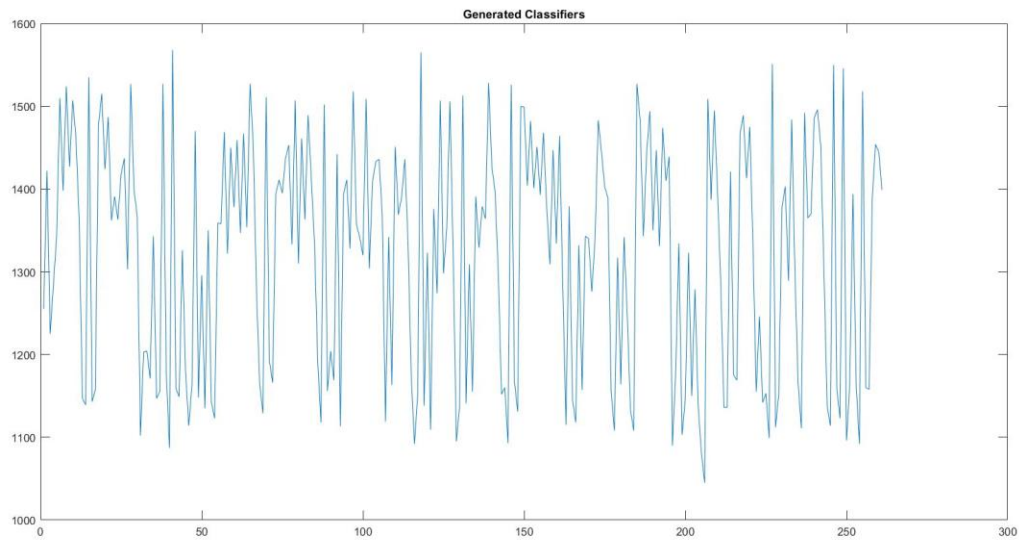
(**): because in primary of epochs our training has low speed and for Improve we use different learning coefficient for the intervals of our epochs between 1 to 800 and above

0 < Beta = 0.6 <250

250 < Beta = 0.6 < 400

400 < Beta = 0.4 <600

600 < Beta = 0.2 < 800

Beta = 0.1 for > 800