## [CO 1] Assignment

Parameters are set to:

MAX\_GEN = 1500

CX\_PROB = 0.8

MUT\_PROB = 0.25

MUT\_STEP = 0.5

We used adaptive mutation for this assignment. So, basically after every 40 iterations of generation, we multiple step\_size of mutation individual by some constant, in our case, it is **0.993.** Below, screenshot provided:

**if G%40==0:**

**mutate\_ind.step\_size = mutate\_ind.step\_size \* 0.993**

By this way, we decrease mutation step\_size up to smaller values. Results are almost near zeros, shown below:





