

## An illustration of self-adaptation:

Sphere model, (15,100)-ES with  $n = 30$ ,  $n_\sigma = 1$ , and the optimum location is changed every 200 generations.

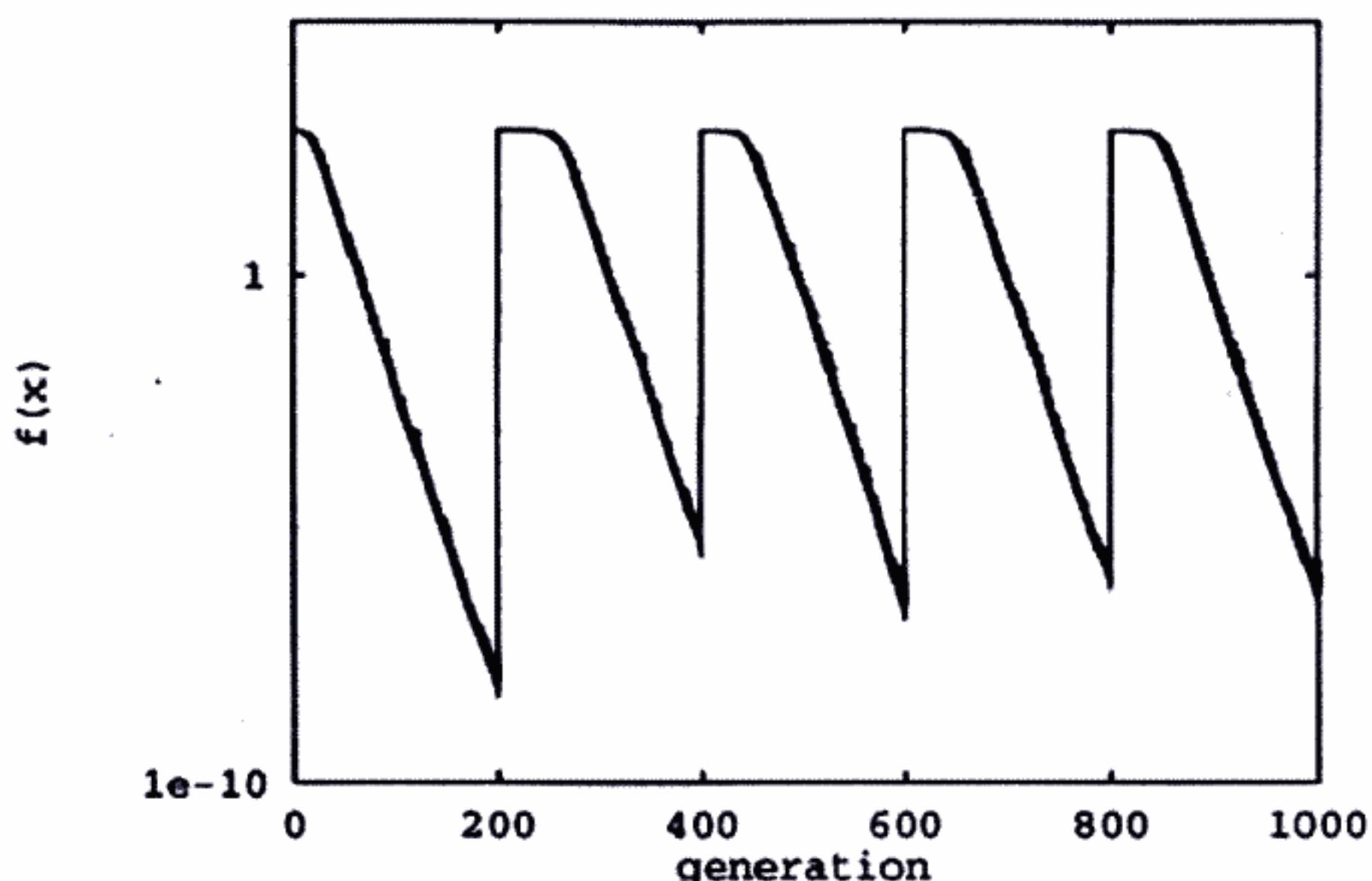


Figure 12: Behaviour of the objective function value.

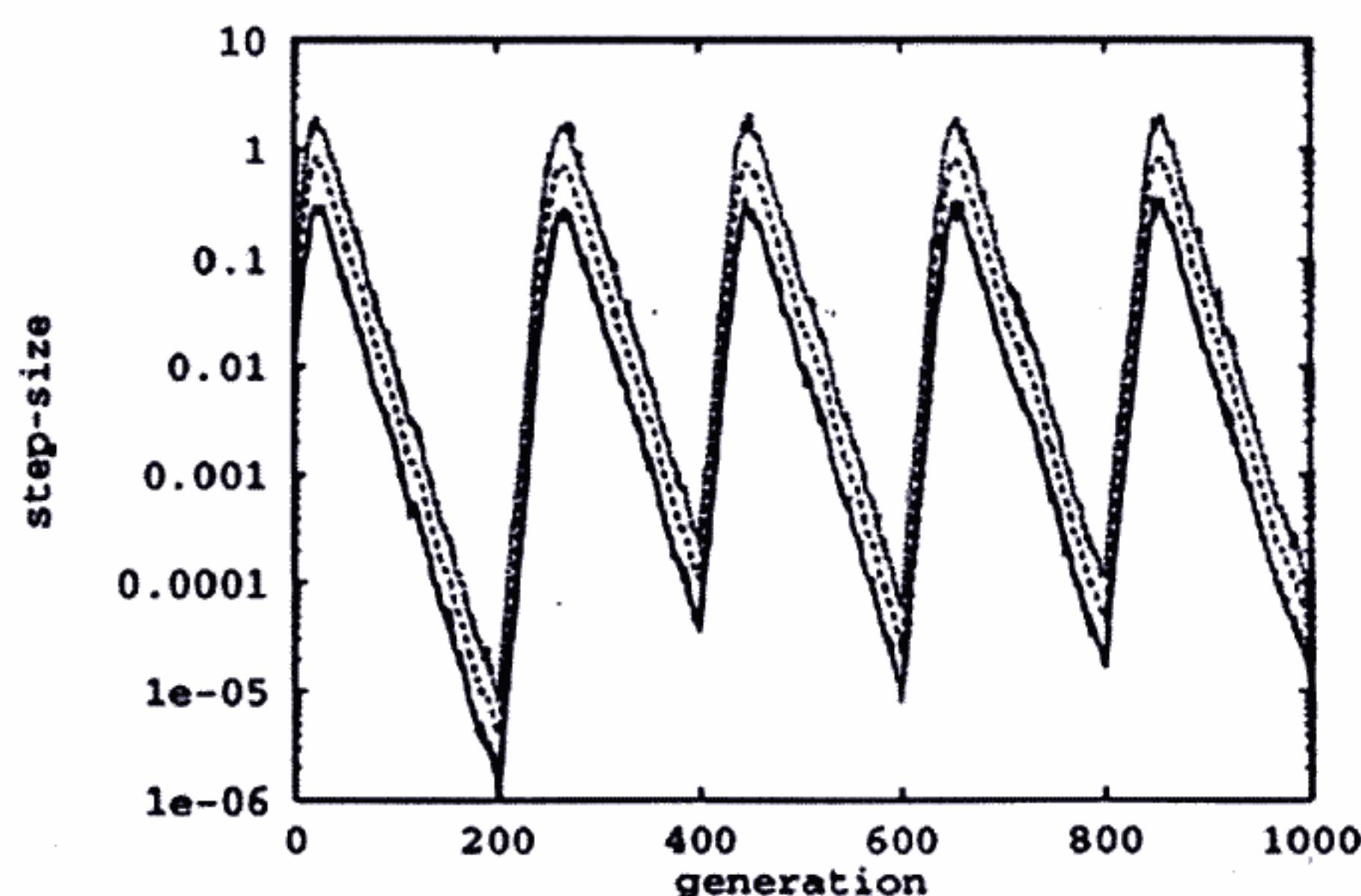


Figure 13: Behaviour of the standard deviations (minimum, average, and maximum within the population).