

parameters of smulator

XI, XZ, ---, Xm FP

Step of Design of algorithm

Initialize population? randomly for i=1 to MaxGenerations do begin

Evaluate Fitness of ind. Vid nass 2 Use Simulator J

Select parents for reproduction Examette wheel?

Crossover 2 Normal Flamay Xour ?

Mutation E Non-uniform mutation for FP genes J

Replacement 2 Etitist strategyg

Step 1 Design of chomosome

Key 1: 600 -1: NOT L 2: Medium -2: NOT M

3: 41,5h -3:not H Q: July NOT applicable R1 R2 1 1 2 3 -1 0 2 ---RI IF XI = L AND X2 = M THEN Y = H IF X = not L THEN Y = M Variable-lengthed chanosome. step2 Fithess Apply fuzzy system to correctly respond to output of simulator Fitness = 1/error

step 3 Selection Normal Ro-1842 wheel selection NOTE: should be explained.

stepy Chousarer Crossover between Chronosmes 9 rules 9 randon No. 7 ruly 37455 Mulation

2 1/3 add 1
2 1/3 add 1
2 1/3 subw. 1
1/3 Negate.

Step6 Replacement

Elitist Stategy.