COMP6026: Assignment 2

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1 Introduction

1.5 pages

In this paper we reimplement the resulst of [Watson 2009] TODO , and show that [their conclusion holds]. We ther present the results of further analysis, which show that [my hypothesis is proven correct].

2 Reimplementation

2.1 Representation

For an efficient and quick algorithm, correct representation is important First we did this then we did this Allowed quick computation, horray

2.2 Parameters

We used the parameters as in the original palper, plus these [table] Parameter Value Growth rate (cooperative), Gc 0.018 Growth rate (selfish), Gs 0.02 Consumption rate (cooperative), Cc 0.1 Consumption rate (selfish), Cs 0.2 Population size, N 4000 Number of generations, T 1000

2.3 Results

1 page

3 Extension

1 page

Behaviour parameters	Cooperative	Selfish
Growth rate	0.018	0.02
Consumption rate	0.1	0.2

Size parameters	Large	Small
Group size	40	4
Resource influx	50	4

Global parameters	Value
Population size, N	4000
Generations, T	120
Reproduction cycles, t	4
Death rate, K	0.1

Table 1: Parameters from [1], used throughout the reimplementation.

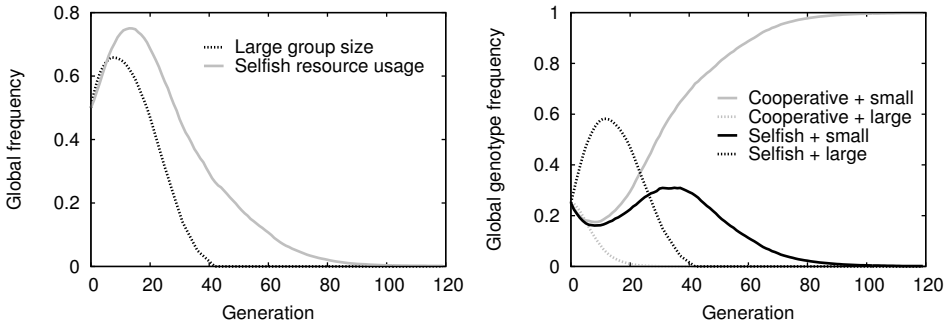

Figure 1: My plot.

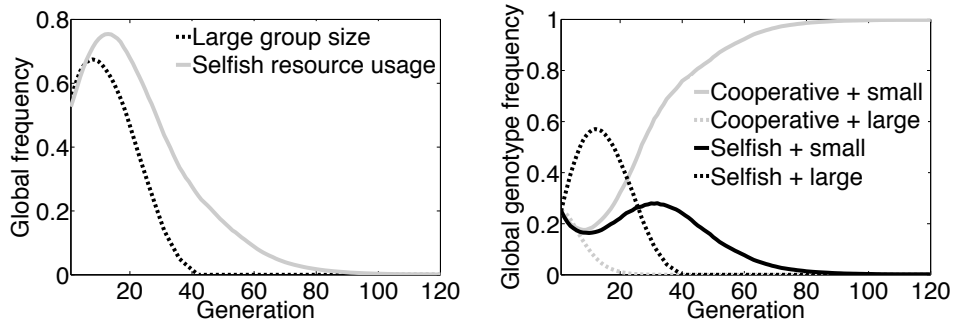

Figure 2: original plot.

3.1 Representation

3.2 Results

1.5 pages

4 Conclusion

1 page

References

References

[1] Powers, S., Penn, A., Watson, A.: Individual Selection for Cooperative Group Formation. Advances in Artificial Life: Proceedings of the Ninth European Conference on Artificial Life (ECAL 2007) (2007) 585–594

A Source