Title of Project

Wang Xin

10302010023

Abstract

Abstract goes here

1 Introduction

Introduction here

1.1 Subsection

Use citations like this [1] and reference elements such as Figs. 1 and 2, Eq. 1, and Table 1.

$$New\ Node\ =\ Codon\ value\ \%\ Number\ of\ rules\ for\ NT \tag{1}$$

2 Compiling

If you are using a GUI, this document should compile automatically. Otherwise, you can either use pdflatex or latex and dvi2ps to compile your report, along with bibtex to process your bibliography file.

```
move();

or

if(food_ahead == 1){
        move();
else{
        move();
}
```

Figure 1: Example solution at Energy 20.

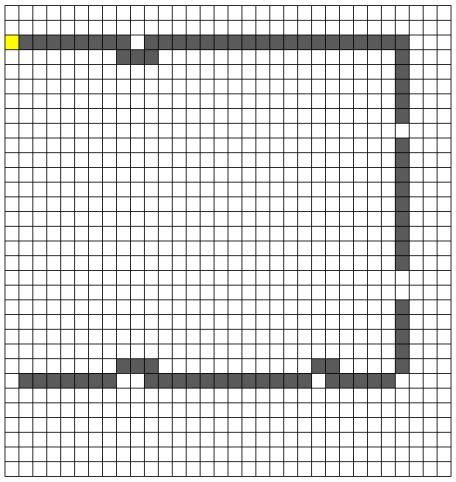

Figure 2: Dynamic Ant Trail.

Table 1: Parameter settings adopted on all problems examined

Parameter	**Value**
Total Evaluations	100,000
Evals per cycle	500, 2500, 5000, 10,000
Generations	200
Population size	500
Replacement strategy	Generational with elitism (10%)
Selection	Tournament size=5
Mutation probability	0.02 (integer mutation)
Crossover probability	0.9 (variable single point)
Initial chromosome length	100 codons (random init)

3 Acknowledgements

People you might want to acknowledge.

References

[1] R. I. Mckay, N. X. Hoai, P. A. Whigham, Y. Shan, and M. O'Neill. Grammar-based genetic programming: a survey. *Genetic Programming and Evolvable Machines*, 11:365–396, September 2010.