CS 472 — Project 3

GAs & DEs — A Land of Lisp Approach

Steven White
swhite24@mix.wvu.edu
8258

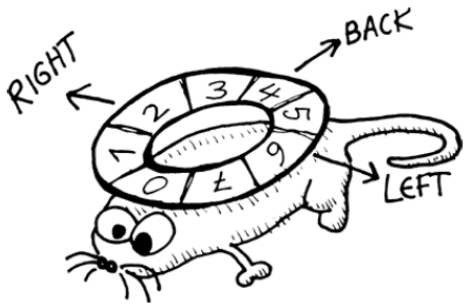

Figure 1: Gene "wheel" depicting directions of rat travel.

1. ABSTRACT

Test drive abstract. More to come. Need to list all subsequent sections along with a brief summary.

2. INTRODUCTION

Land of lisp did rats. I do rats with de & ga.

3. MODELS

Description of *Land of Lisp* rat model here.

4. ALGORITHMS

Compare and constrast DE with GA. Some pseudo-code.

4.1 Genetic Algorithms

GA specific alg info here.

4.2 Differential Evolution

DE specific alg info here. Only using DEMO/parent at this point.

4.3 Comparison

Compare & contrast GA with DE.

5. EXPECTATIONS

List of research questions (RQ1, RQ2, etc) and/or hypotheses (H1, H2, etc). Must include two-population hypothesis.

6. RESULTS

Performance, effectiveness, better on one or multiple objectives. Graphs, etc.

7. VALIDITY

Comment on limitations of study.

8. CONCLUSION

Return to section *Expectations* and address whether the results match what was expected.

9. FURTHER WORK

Discuss paths not taken. What would be next step?

10. REFERENCES

Self-explanatory.

11. LISTINGS

All source code and example output. Divide code into three files — de.lisp, ga.lisp, and gade.lisp.