



MATURA THESIS

Contents

Chapter 1

Introduction

1.1 Motivation

1.2 Thesis Statement

Chapter 2

Background

2.1 Neural Networks (NNs)

2.2 Evolutionary Competition (EC) & Genetic Algorithms (GAs)

2.3 Neuroevolution of Augmenting Topologies (NEAT)

2.4 Related Work

Chapter 3

Building my NEAT

3.1 Beta Program

3.2 First Findings

3.2.1 Simple Nim

3.2.2 Nim

3.3 Complexification

Chapter 4

Wrapping Up

4.1 Auto Review

4.2 Future Work

Chapter 5

Appendix

5.1 Code

5.2 Data

5.3 Documentation

5.4 References