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AI for Games

Original Citation

Naveed, Munir (2009) AI for Games. In: University of Huddersfield Research Festival, 23rd March - 2nd April 2009, University of Huddersfield. (Unpublished)

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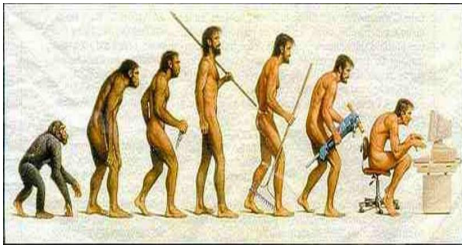
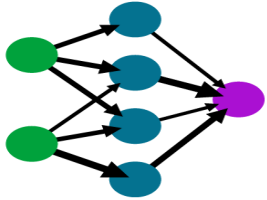
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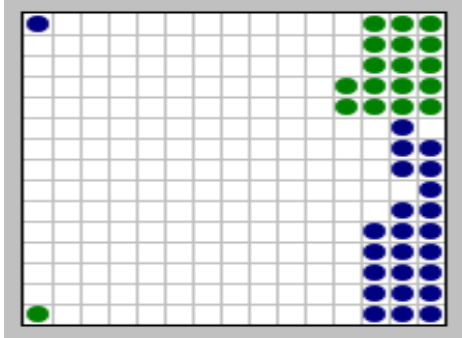
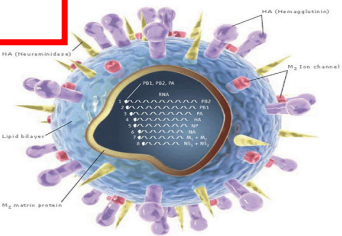
AI for Games by Munir Naveed

In MPhil, I have used Feedforward Neural Networks with Reinforcement and Evolutionary Learning techniques for....

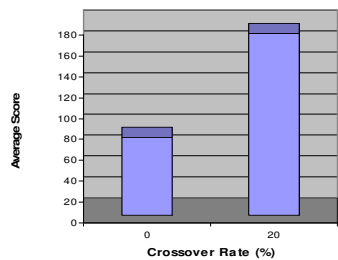
A simple neural network
input layer hidden layer output layer



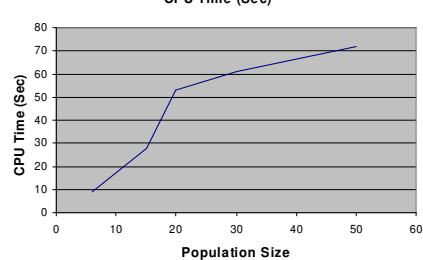
Virus Game



Performance of Crossover Operator



CPU Time (Sec)



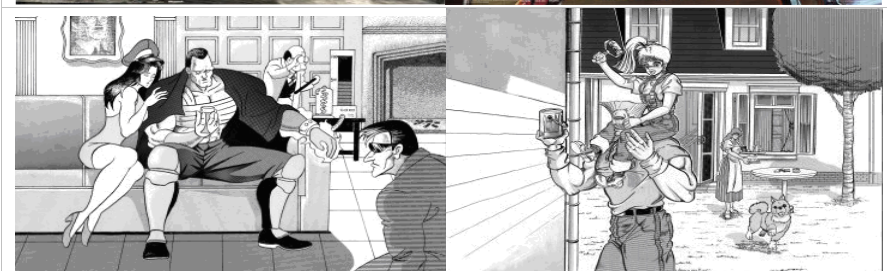
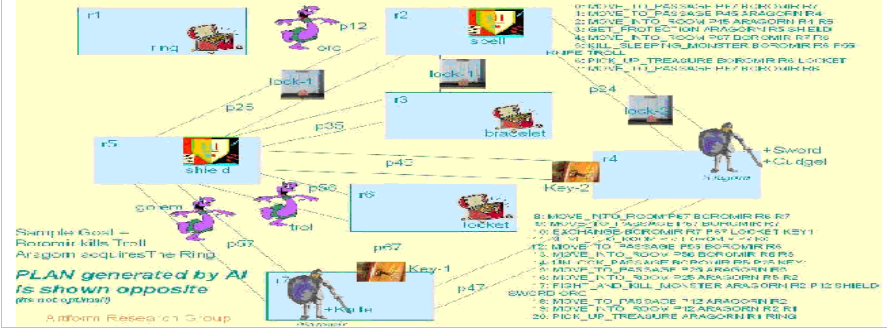
Results show that higher crossover rates in evolution produce stronger AI players while small population converges earlier than large populations.

To explore AI planning in RTS games. AI planning, in Games, has been used successfully for

Pathfinding and Planning with Weapon Selection

Implementation of simple and Complex behaviours of AI players

PhD Work (Funded by Huddersfield University)



PhD supervisors:
Dr. Diane Kitchin and Dr. Andrew Crampton.