Host Parasite Simulation
James Gascoyne
BSc in Computer Science, sh004070@reading.ac.uk

ABSTRACT
The Host Parasite Simulation is a unique piece of software that is to be used for research into the evolution of parasites. The aim of this simulation is to further the research into how parasites evolve with their hosts. The main feature of this software is the ability to enter the ratios of evolution types, allowing the user to control the possibility of an evolutionary event happening. By using the data given and the ratios used there is a possibility that future evolutions of Hosts and Parasites could occur.

To perform these calculations in the simulation the code has been designed to work on multi-threaded/multiple core computers that any average user may own.

Figure 1. Garden Spider
Figure 2. Host-Jump event