4.1.3 GP Parameter Settings

# Original

The evolutionary search was run for 50 generations, with 100 trees in each generation. A larger population size could be utilised, and the results would likely improve at the expense of an increased runtime. Trees were limited to a maximum height of 17. A crossover rate of 0.8 was used, and a mutation rate of 0.2. Top performing individuals are never lost, as the μ + λ algorithm [2] is used, with both values set to the population size (i.e. keep the 100 best).

# Condensed

The evolutionary search was run for 50 generations, with 100 trees in each generation. Trees were limited to a maximum height of 17. A crossover rate of 0.8 was used, and a mutation rate of 0.2. Top performing individuals are never lost, as the μ + λ algorithm [2] is used, with both values set to the population size (i.e. keep the 100 best).