

APPENDIX A

This section contains the graphs of the phase duration convergence over different number of generations (from 1 to 59) and different size of the population (25,50,75, and 100).

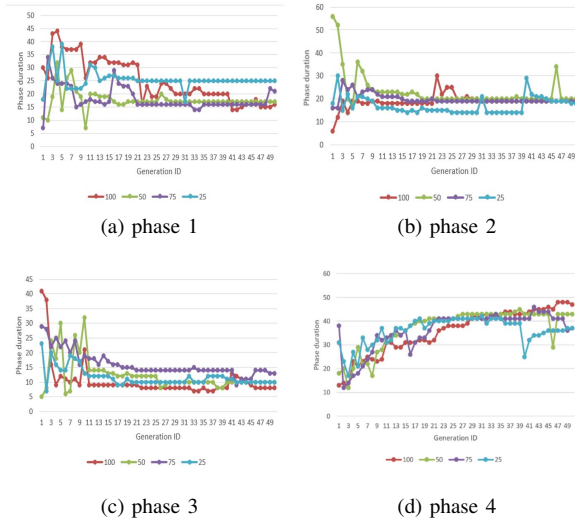


Figure 1. Phase duration convergence in intersection 2

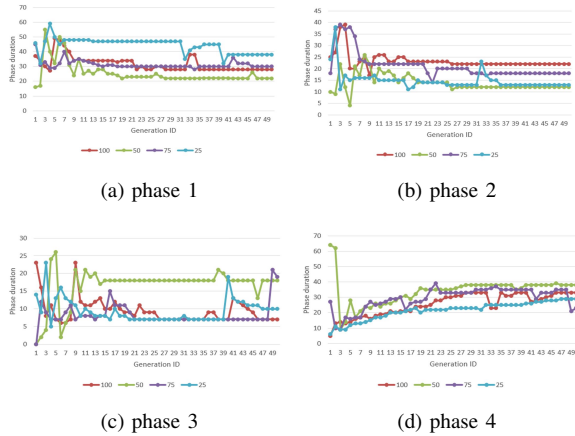


Figure 2. Phase duration convergence in intersection 4

APPENDIX B

This section contains the graphs of the phase duration convergence in the scenario 1: without traffic incident.

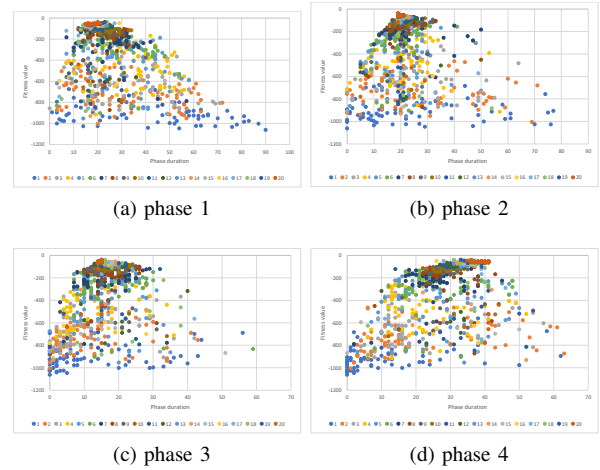


Figure 3. Phase duration convergence in intersection 2

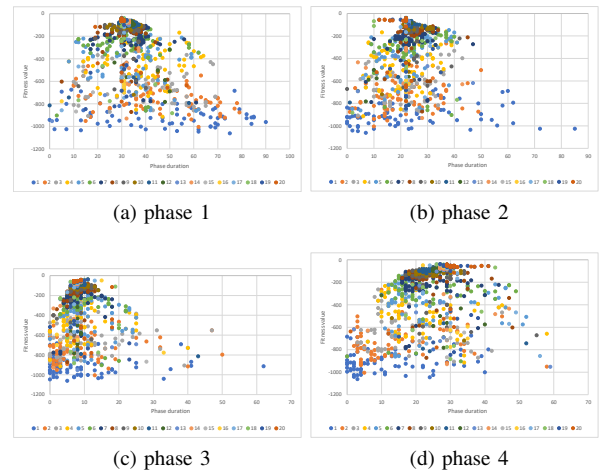


Figure 4. Phase duration convergence in intersection 4

APPENDIX C

This section contains the graphs of the phase duration convergence in the scenario 3: with traffic incident.

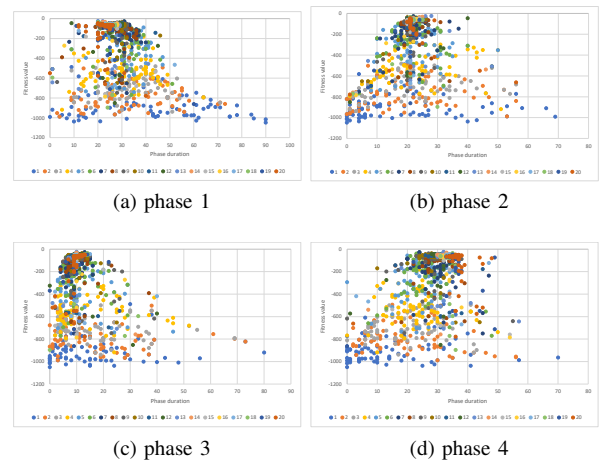


Figure 5. Phase duration convergence in intersection 1

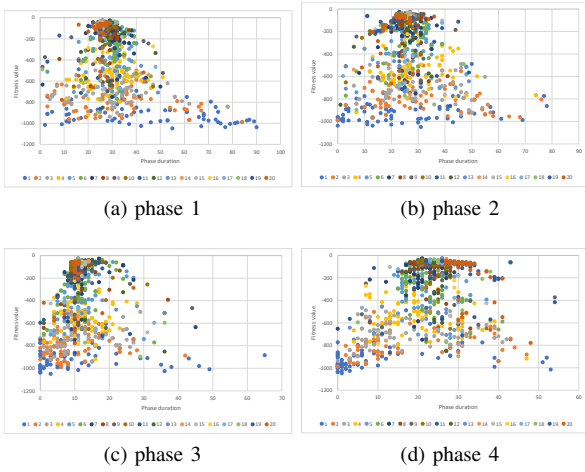


Figure 6. Phase duration convergence in intersection 2

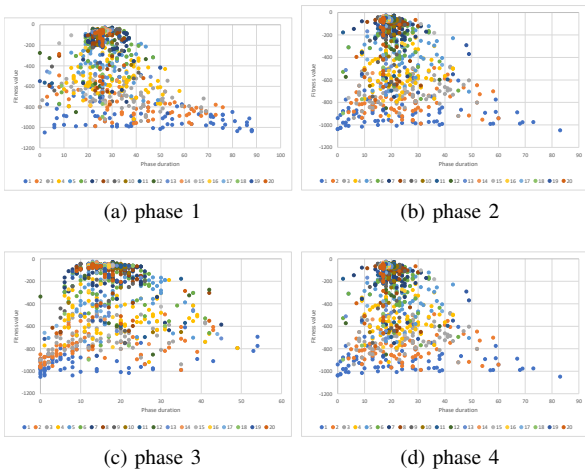


Figure 7. Phase duration convergence in intersection 3

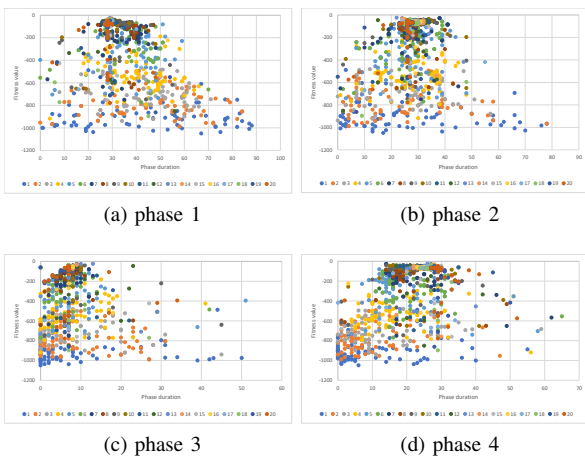


Figure 8. Phase duration convergence in intersection 4