



Fundamental Diagram Analysis

MOTORCYCLES:

- Vmax = 60 km/h
- ρ_{max} = 0.15 veh/m
- τ = 0.5 s
- Qmax = 2250 veh/h

CARS:

- Vmax = 50 km/h
- ρ_{max} = 0.12 veh/m
- τ = 1.0 s
- Qmax = 1500 veh/h

ADVANTAGES:

- Motorcycles throughput: 1.50x cars
- Speed differential: 10 km/h
- Density packing: 1.25x cars