

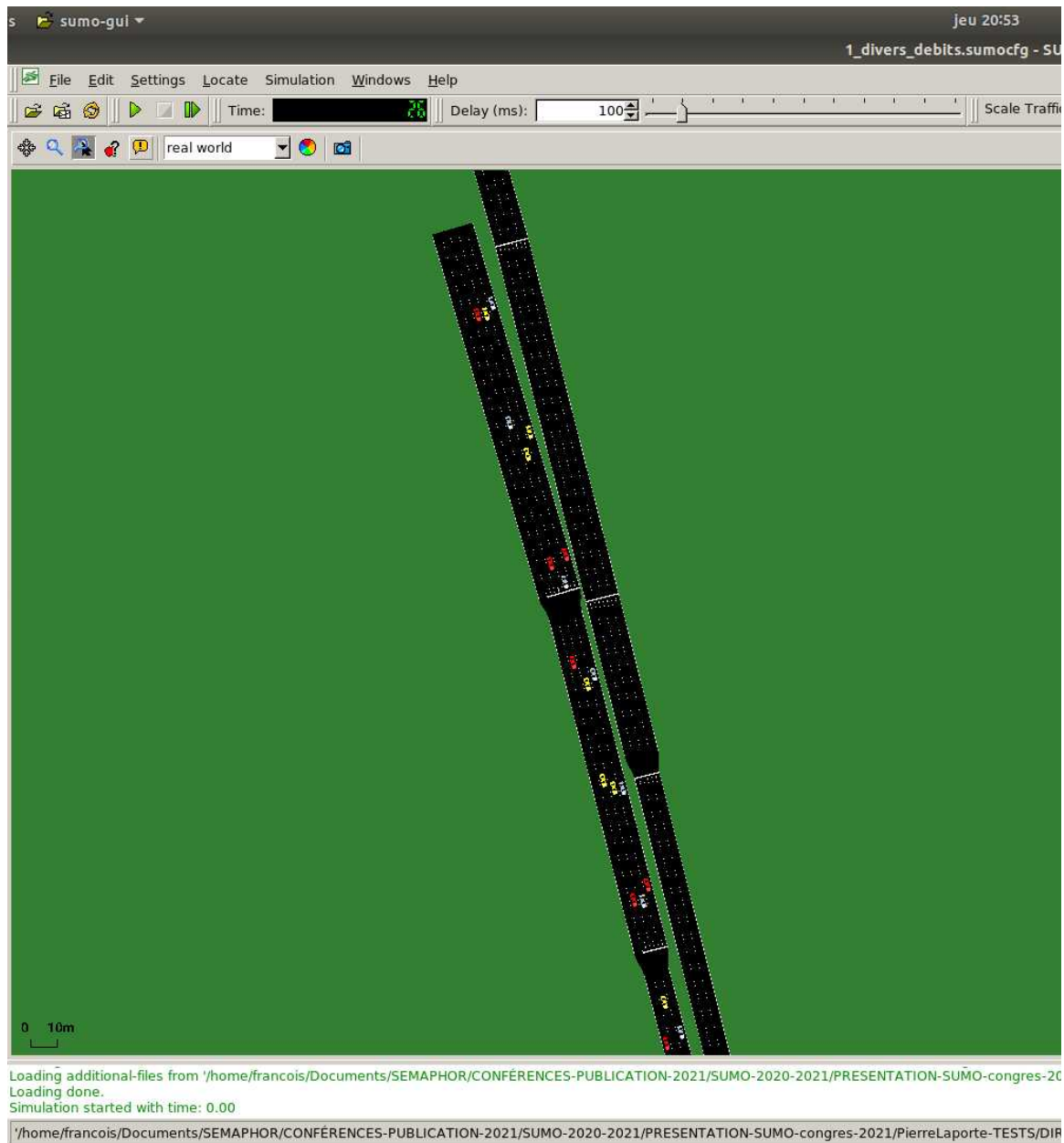
The network

Highway straight section **3 lanes**

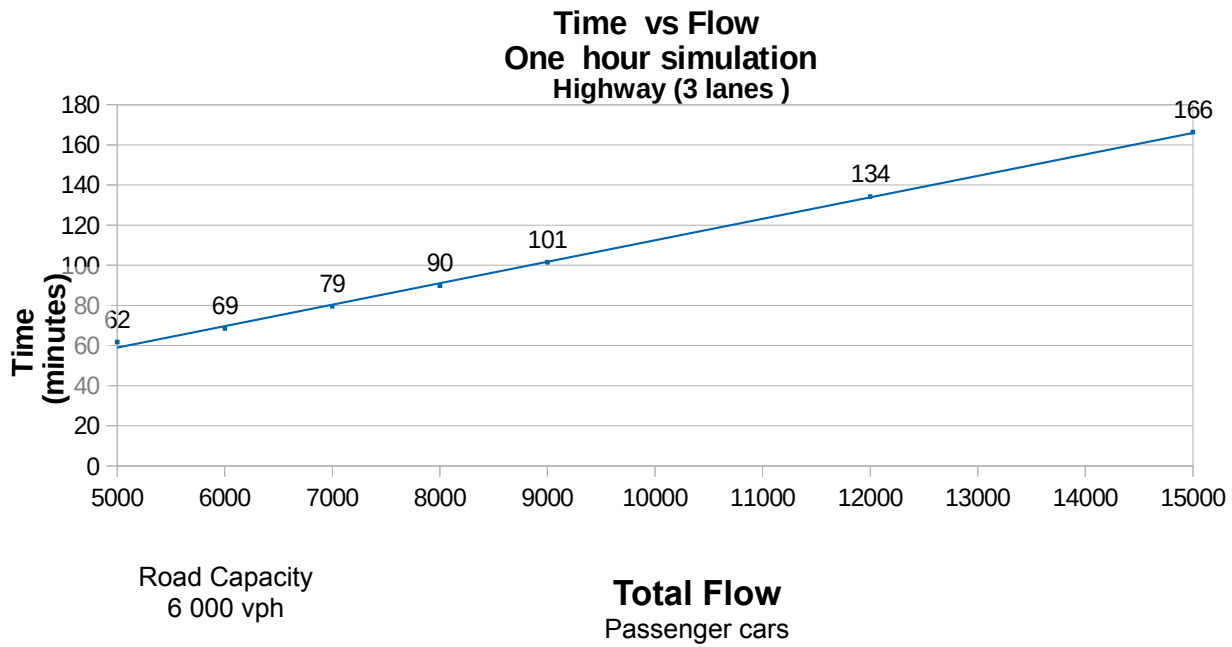
Length: 3 km

Beginning 5 lanes to 4 lanes and to 3 lanes (bottleneck)...

3 lanes to the end of the network



Results



BPR Function

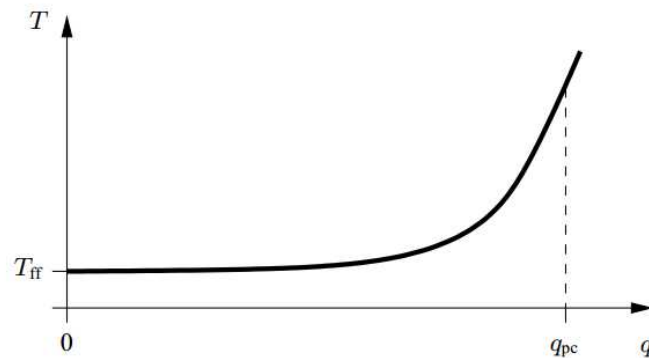


Figure 2: The Bureau of Public Roads (BPR) function, relating the travel time to the flow. It is based on the travel time T_{ff} under free-flow conditions and the practical capacity q_{pc} of the link under consideration.

Maerivoet and De Moor (2005), *Transportation Planning and Traffic Flow Models*
Researchgate

$$T = T_{ff} \left(1 + \alpha \left(\frac{q}{q_{pc}} \right)^\beta \right). \quad (1)$$