SUMO-based Traffic Generation Tool (STGT)

Build Network | **Traffic Demand** | **Simulation** | **Statistics**

RandomTrips | **MARouter** | **DUARouter** | **DUAIterate** | **OD2Trips**

This tool allows researchers to quickly generate a set of random trips within a time interval. The RT tool prevents bottlenecks in the network. It uses an incremental traffic assignment method where the vehicle computes its route at the

[RandomTrips]

Origin TAZ

> Origin District NAME as in the TAZ file

Destination TAZ

> Destination District NAME as in the TAZ file

Traffic (*.csv) [Load file]

Simulation Time [h] `24`

Reroute Probability `100`

Scaling Factor `5`

Traffic demand files generated in /Users/Pablo/Documents/STG_GUI/outputs/rt/
trips: ['5_30_randomTrips.xml', '16_30_randomTrips.xml', '15_0_randomTrips.xml',
'8_30_randomTrips.xml', '20_15_randomTrips.xml', '21_0_randomTrips.xml',
'10_0_randomTrips.xml', '8_45_randomTrips.xml', '9_0_randomTrips.xml',
'10_15_randomTrips.xml', '5_45_randomTrips.xml', '3_15_randomTrips.xml',