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A Matrix-based Quick Programming Tool for Establishing Urban Road Network Topology Using Traffic Counts at Signalized Intersections

Version: 1.0

File Outline

- B** Brochure (.pdf)
- C** Code (.m, .mlappinstall)
- M** User Manual (.pdf)
- R** Technical Report (.pdf)
- S** Simulation (SUMO) (.xml)

About JMTS_2202 Tool

The JMTS_2202 Tool can effectively generate matrices that can capture the supply and demand pattern of large-scale urban road network by simply inputting network topological information and traffic counts at signalized intersections. The generated matrices can significantly accelerate the macroscopic traffic modeling process by fully utilizing the network topology characteristics and similarities of upstream-downstream relationships.

Thanks

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