

Intro

Basic simulation, at the moment only works in a grid where x and y positions are satisfying $x \% 2 == 0$ or $y \% 2 == 0$. Currently one driver informs the other about informs the other on the route he plans to traverse, hence the other driver plans his route according to the route of the one who was “first” to enter are.

There is no graph underlying this implementation, hence for more generic implementation more work is needed.

To clone the project use command:

```
git clone https://scm.in.tu-clausthal.de/git/parking
```

To resolve the certificate problems follow this [link](#).

To run the simulation Matplotlib is necessary. Running `simulation.py` will give the basic impression of simulation.

TODO

- [] Graph
- [] Conversion of graph to adjacency matrix
- [] Shortest paths calculation on adjacency matrix
- [] Car following model (when there are many drivers)
- [] OSM import
- [] Conversion of OSM to our Graph structure