Project Report

Polytech Nice

Simple Road Traffic Modeling

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Table of Contents

List of Figures

List of Algorithms

1 Presentation of the Subject

Figure 1: **Road traffic :** In this picture, you can see an example of a road traffic phenomenon that we could study

1.0.1 Simple Road Traffic Modeling

What is Road Traffic Modeling The Road Traffic modeling is the study of how vehicles behave on road networks, aiming to simulate and analyze various aspects of traffic flow, congestion, and driver behavior. This field involves creating mathematical and computer models to understand and predict traffic patterns, particularly in scenarios such as congestion, erratic driving, and other relevant factors affecting road transportation. Road traffic modeling plays a crucial role in urban planning, traffic management, and the development of intelligent transportation systems (you could see an exemple on the 1).

1.0.2 Using GitHub for Project Management