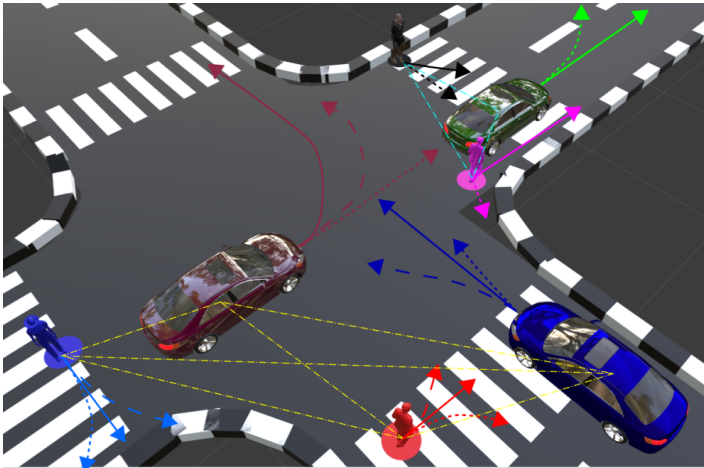
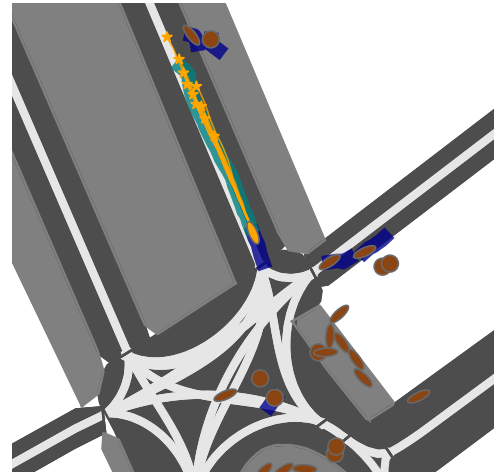


Traffic Scene Understanding for Autonomous Driving

Bachelor Project/Seminar Project/Master's Thesis



Y. Chen, B. Ivanovic, and M. Pavone. ScePT. CVPR, 2022.



Objective:

For safe and efficient autonomous driving, vehicles must understand the behavior of other traffic agents. To achieve this, trajectory prediction is a core component of the control stack in an autonomous car. In this project, you will work on improving the efficiency of state-of-the-art deep learning-based motion forecasting models to make them suitable for real-world deployment.

Qualifications:

- Good programming skills (Python)
- Preferably basic knowledge of PyTorch
- Computer Vision and robotics knowledge are advantageous

Information:

- Datasets: [Argoverse](#), [nuScenes](#)
- Examples for Trajectory Prediction Models: [QCNet](#), [EMP](#)

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