Skoltech
Skolkovo Institute of Science and Technology

Thesis Changes Log

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PhD Program: Computational and Data Science and Engineering

Title of Thesis: Towards seamless autonomous navigation in dense urban environments

Supervisor: Associate Professor Gonzalo Ferrer

The thesis document includes the following changes in answer to the external review process.

1. **Removed Irrelevant Contributions**
   All references to the irrelevant contributions have been removed as they were not covered in the text.
2. **Reduced Number of Claims and Streamlined Objectives**
   Simplified the objectives to focus on:
   - Enhancing motion prediction accuracy and uncertainty estimation.
   - Improving robustness to out-of-distribution scenarios.
   - Addressing challenges in trajectory optimization for complex environments.

   Reduced excessive claims in the introduction, abstract, and conclusion sections to maintain a coherent narrative.
   Contribution part updated to be more coherent with thesis objectives.
3. **Aligned Contributions with Results**
   Updated the introduction and motivation sections of all main chapters to provide clearer references to the main objectives and links to previous chapters.
   Ensured each contribution is substantiated by corresponding detailed explanations and results.
4. **Consistent Notations and Clearer Statements**
   Standardized notations across all chapters (ADE, FDE metrics).
   Revised statements for clarity and specificity.
   Enhanced logical flow and connections between sections and chapters.
5. **Overall Enhancements**
   Standardized formatting and style.