

LABELING STREETS IN INTERACTIVE MAPS USING EMBEDDED LABELS

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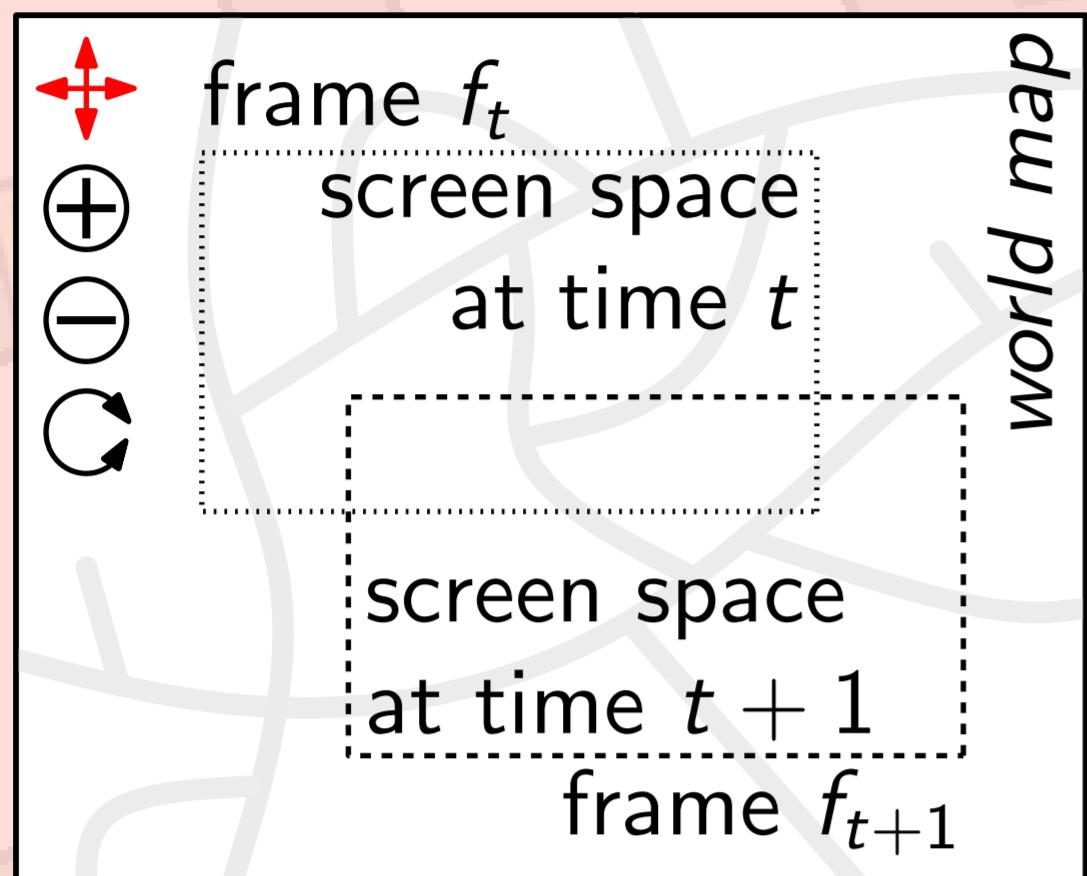
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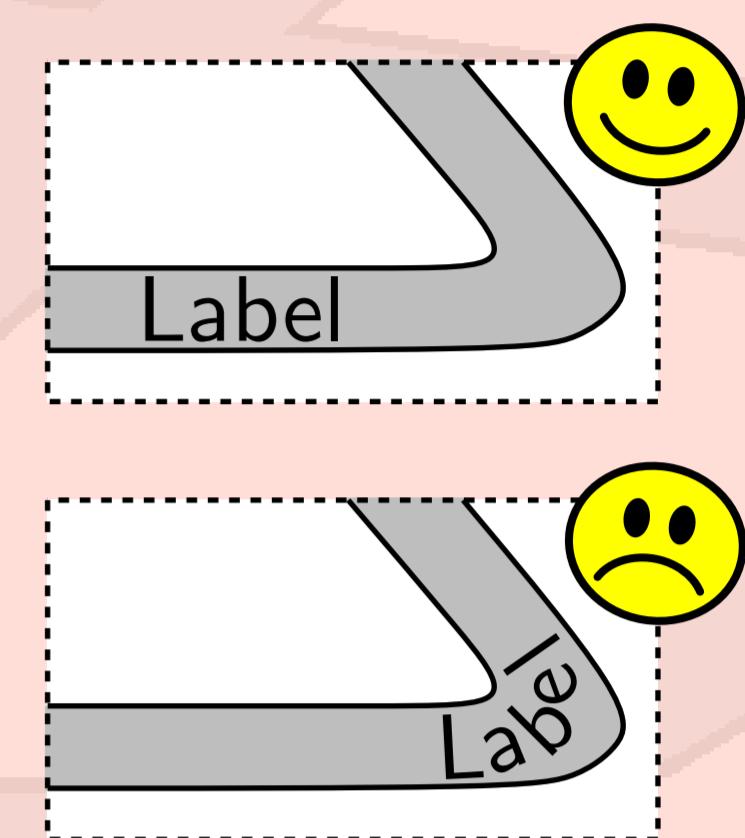
Contrib.



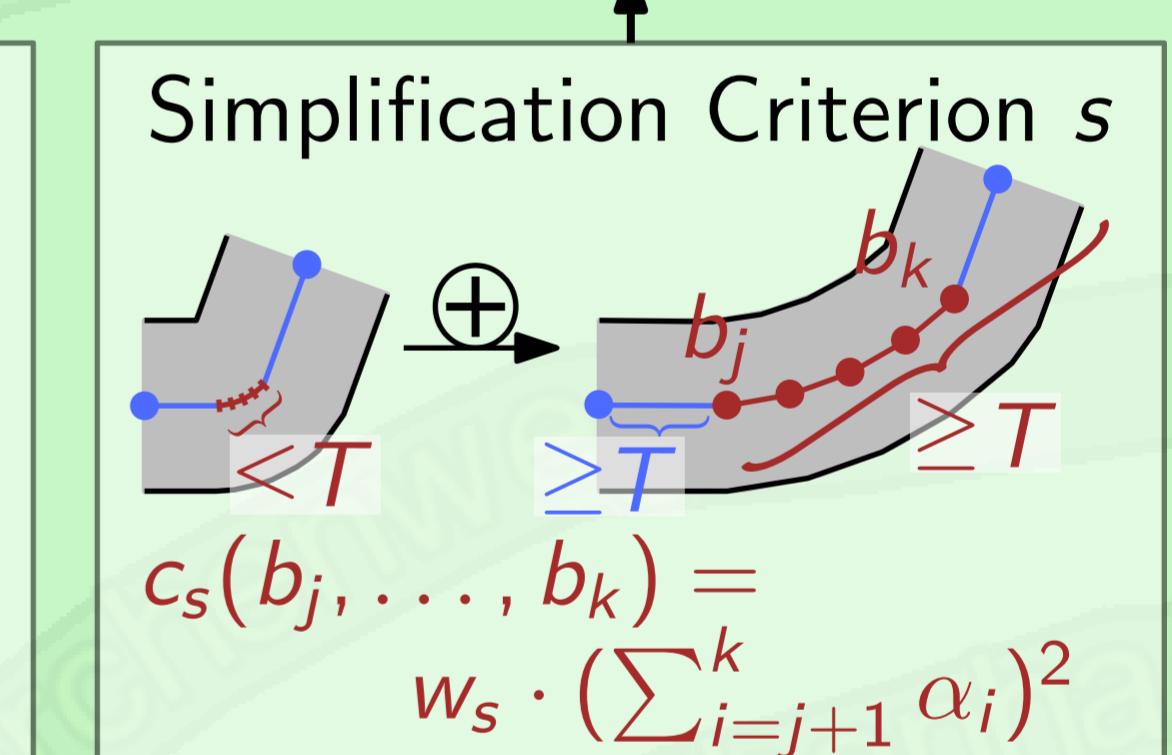
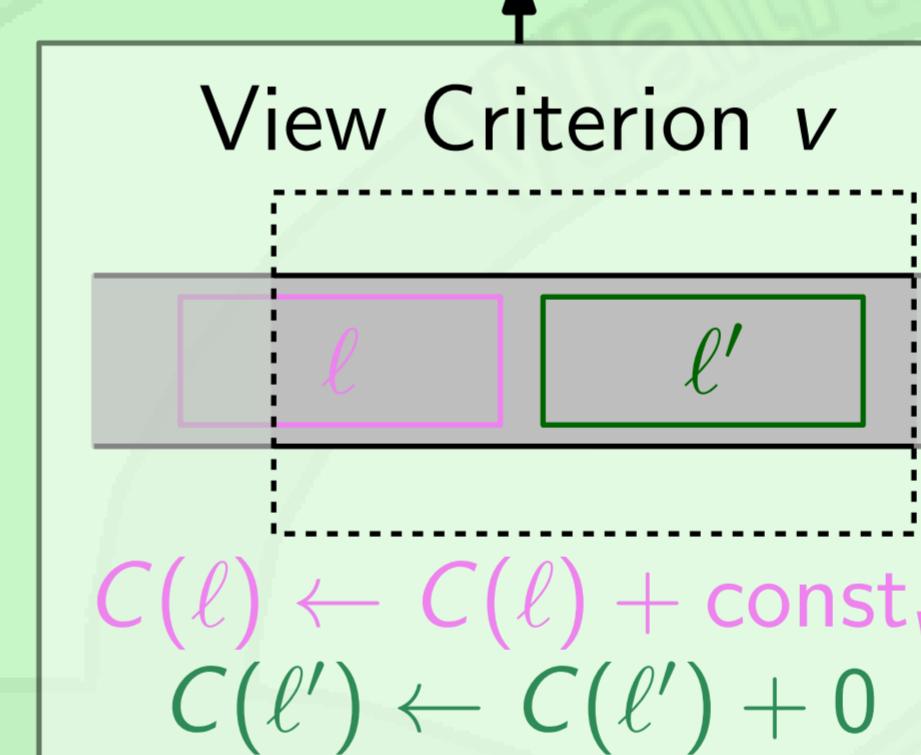
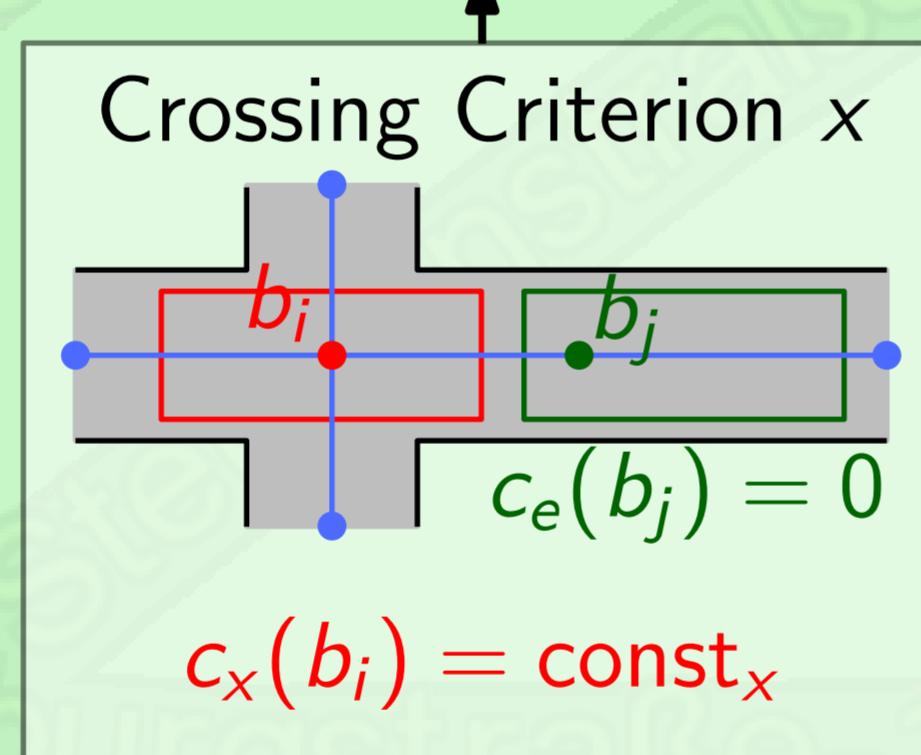
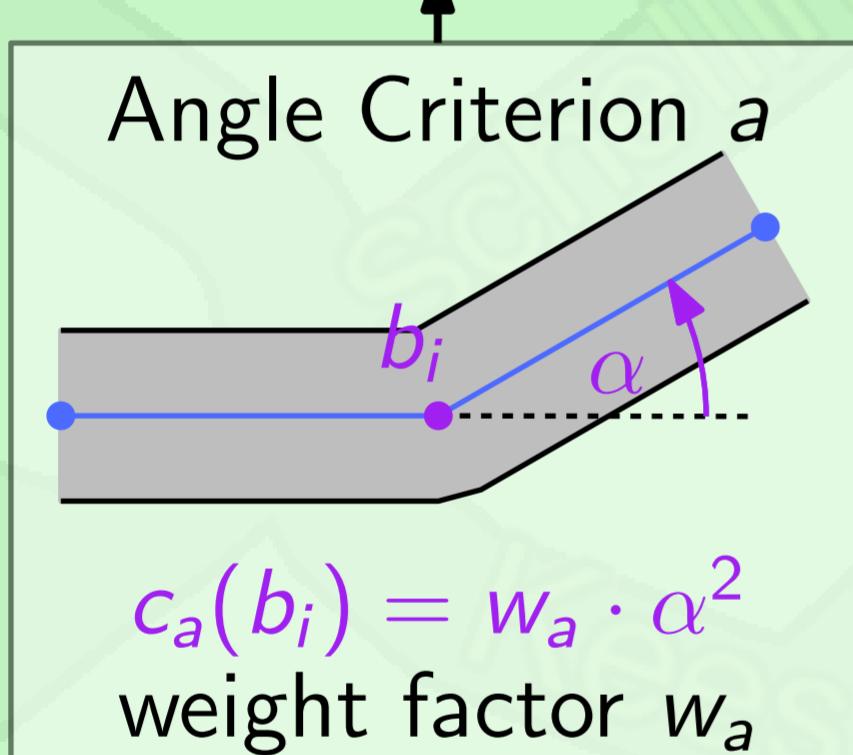
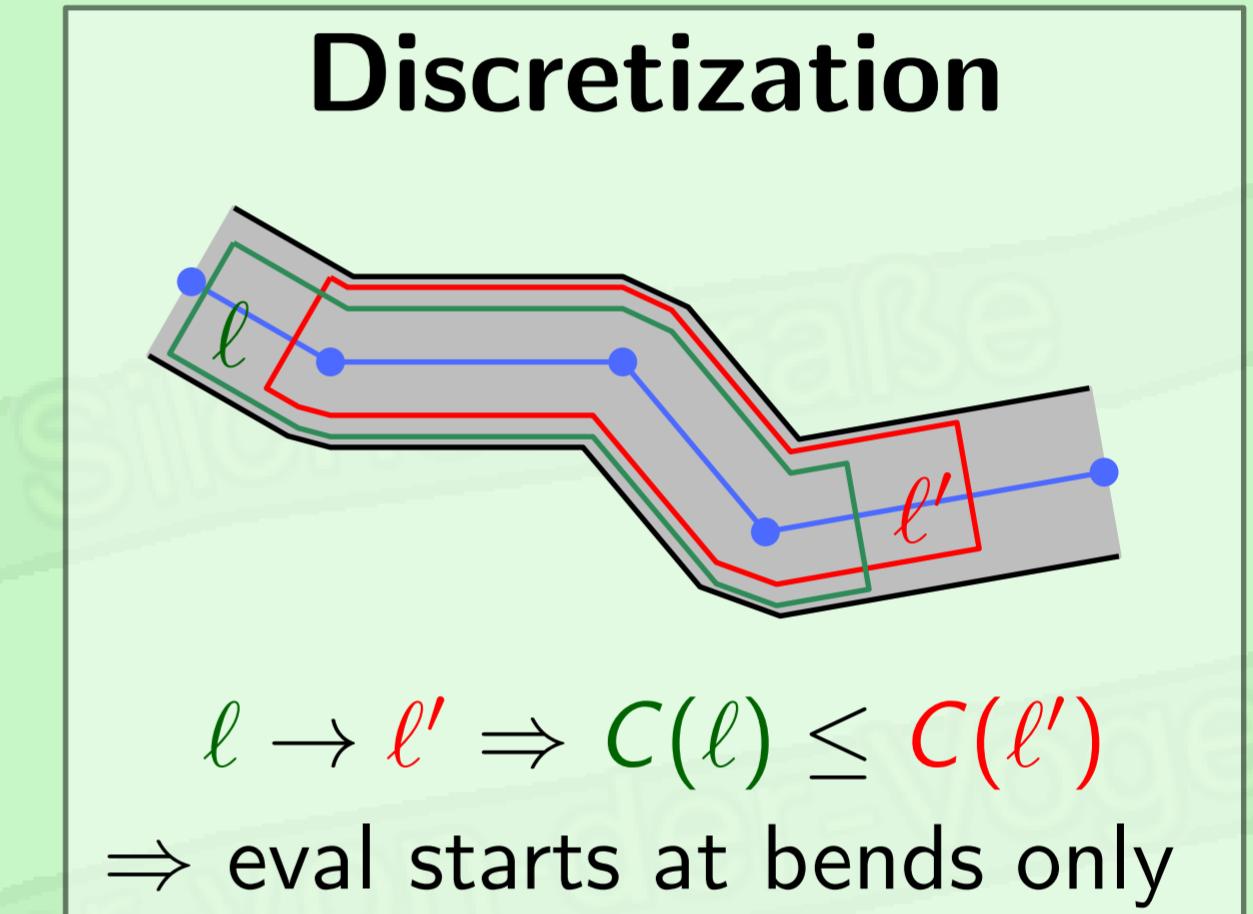
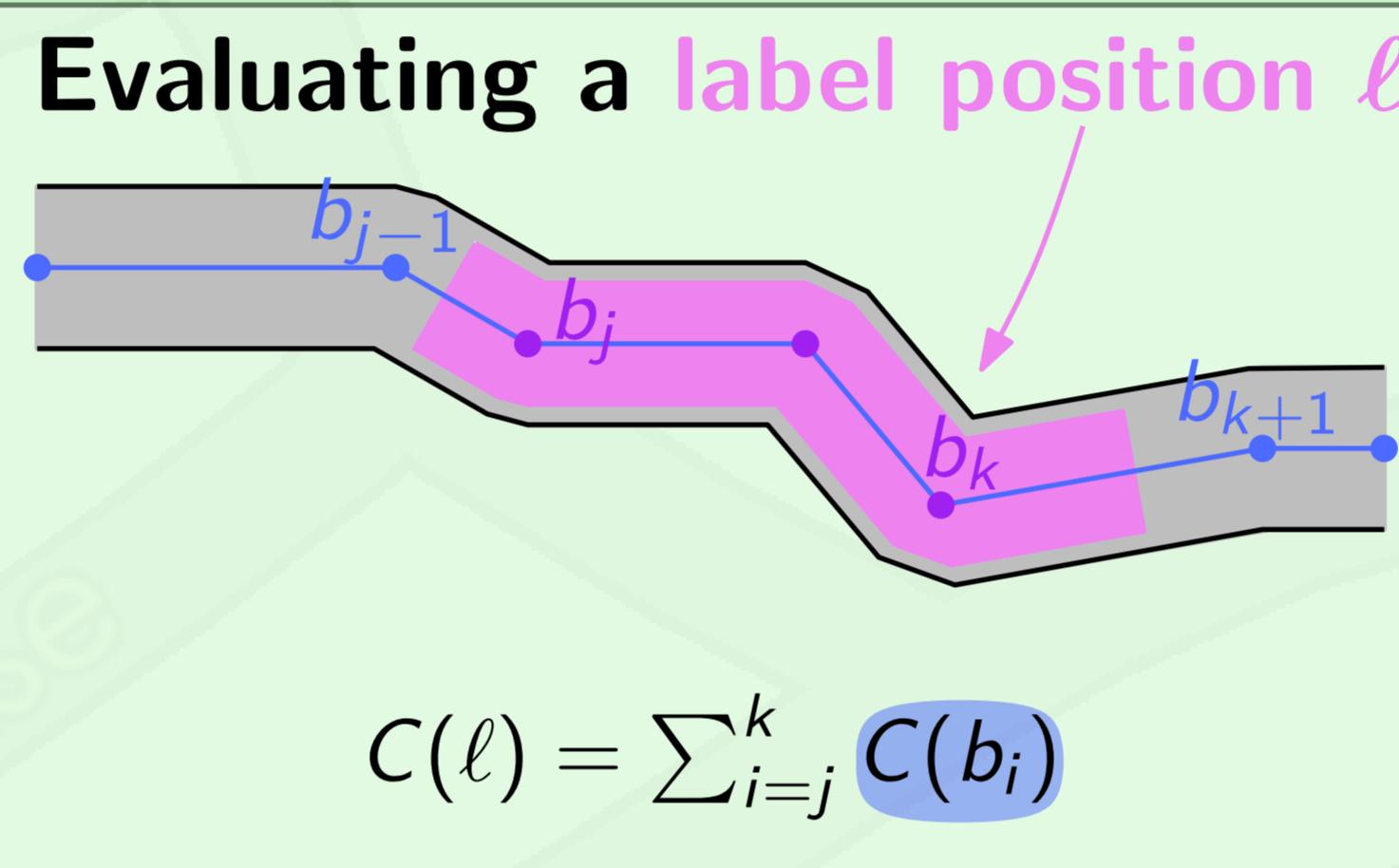
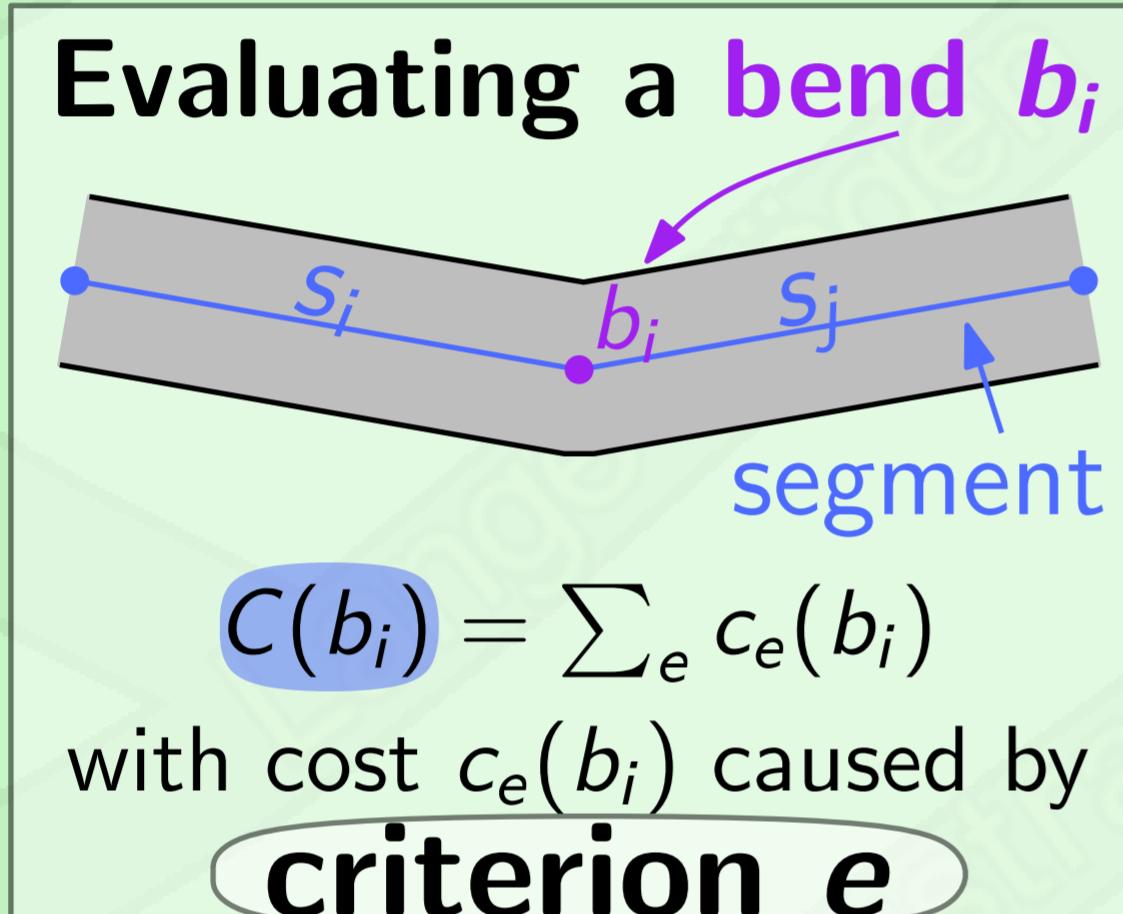
We present the **first algorithm** that

- ★ **embeds** labels into streets,
- ★ while avoiding intersections and strong bends,
- ★ computes **overlap-free** labelings,
- ★ and reacts to user interactions in **real time**.

The corresponding optimization problem (label-number maximization) is NP-hard even for one frame.

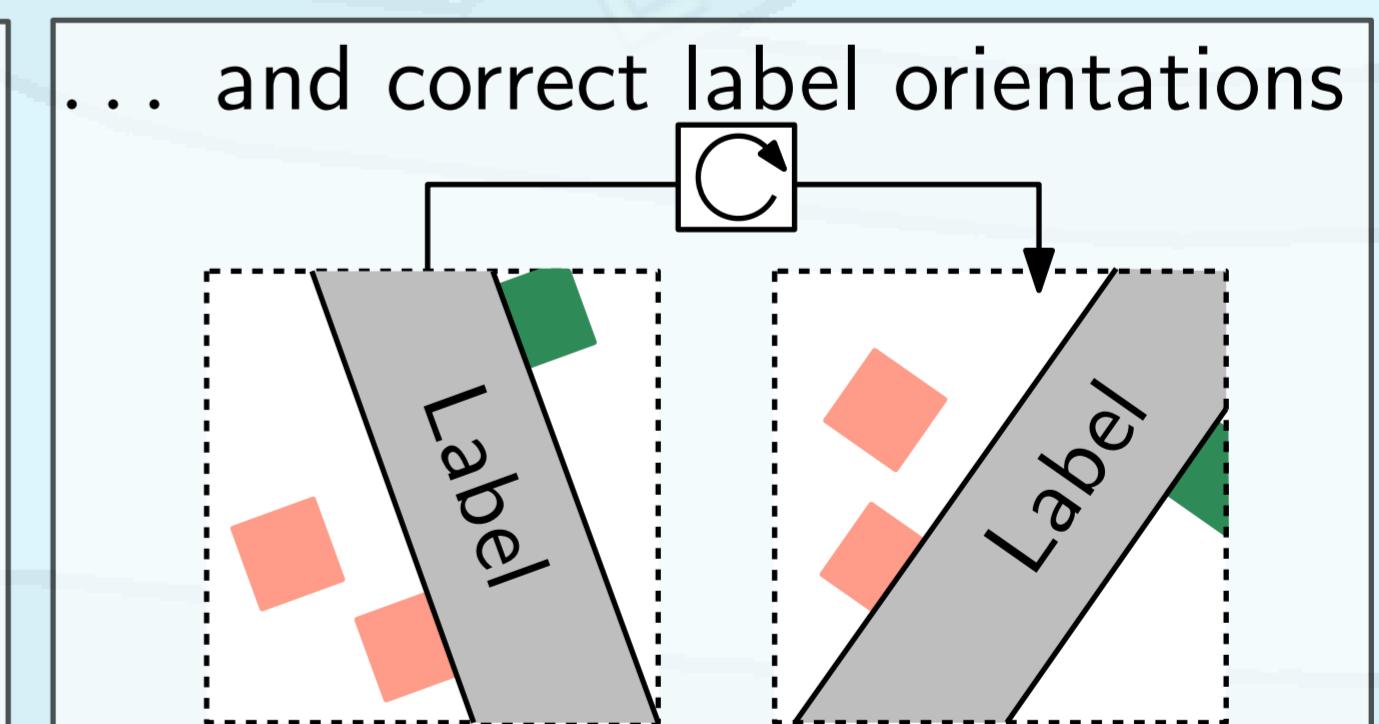
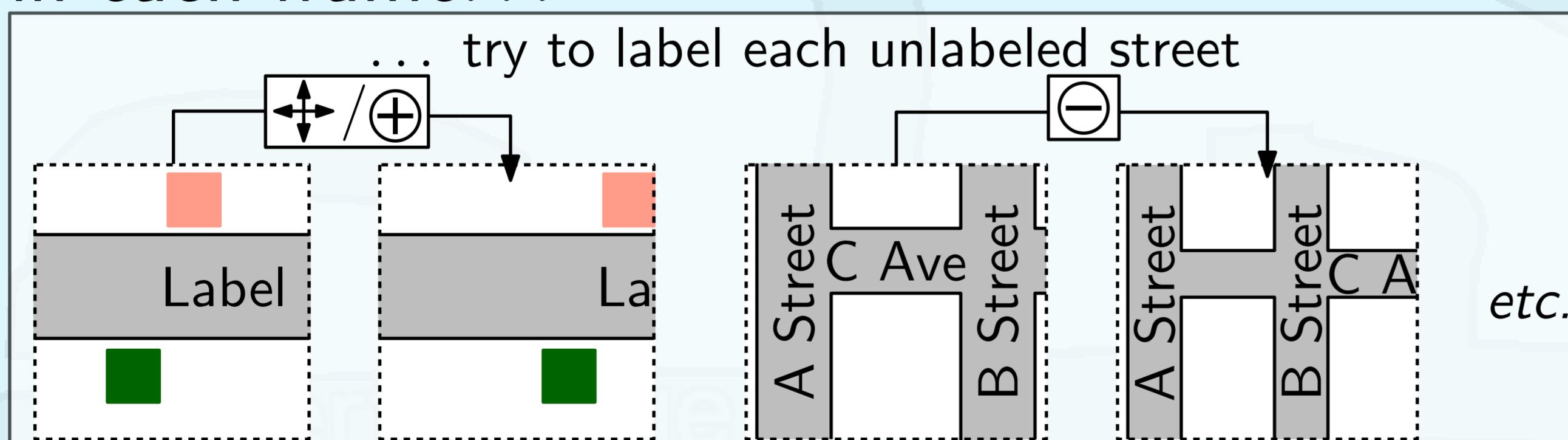


Evaluations

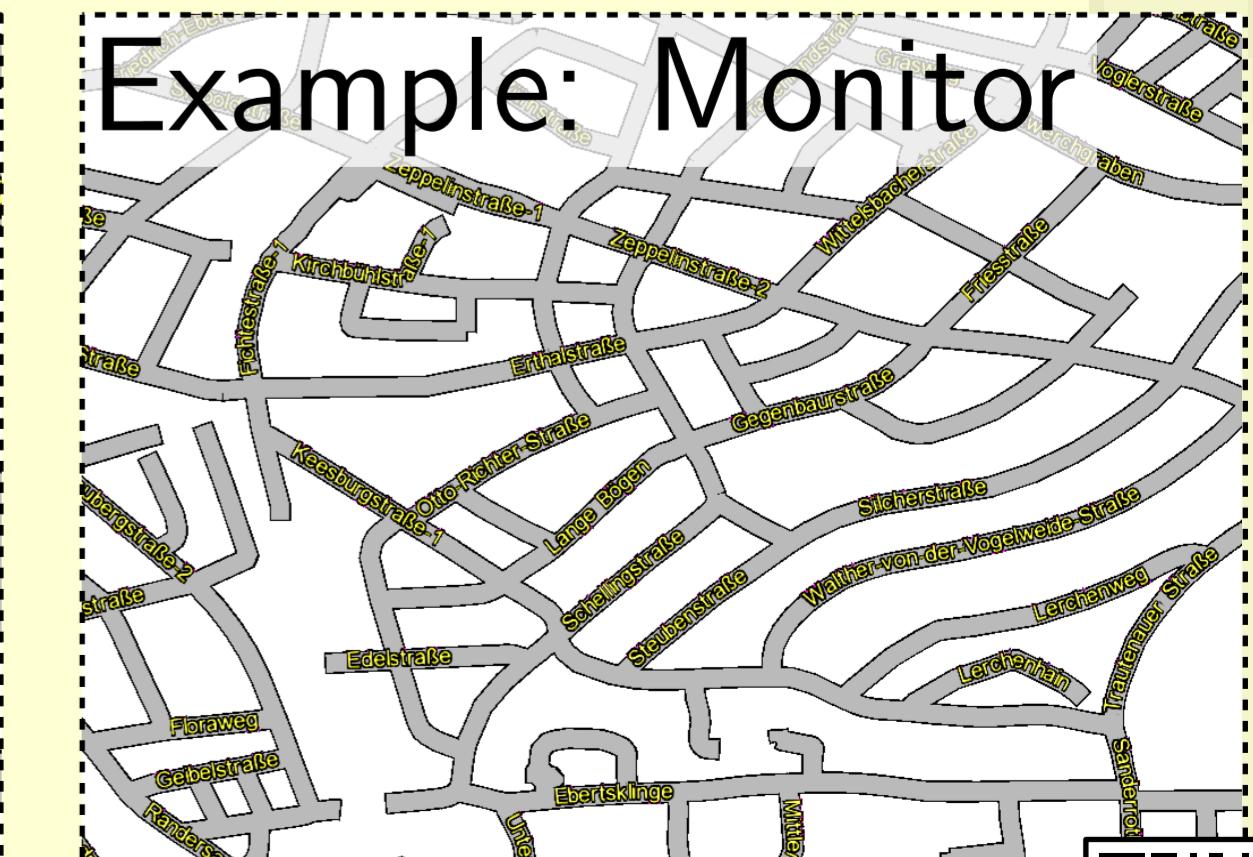
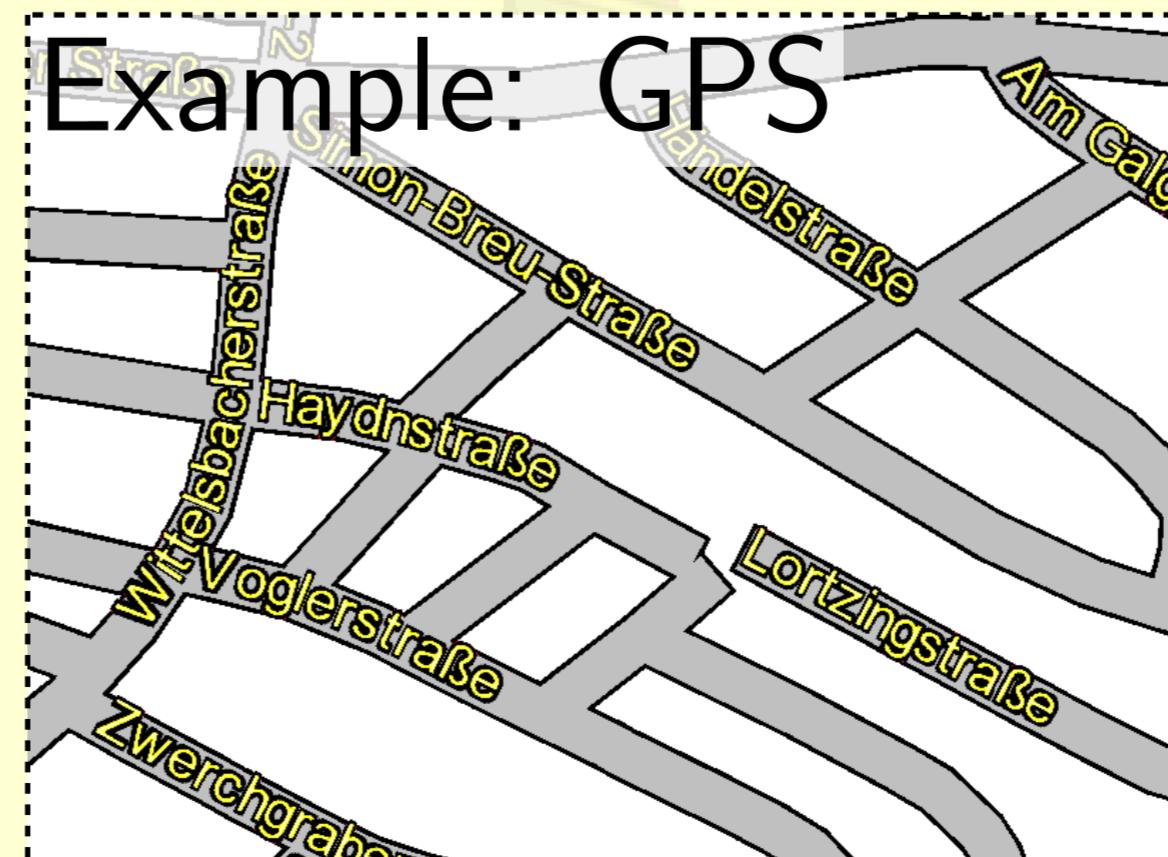
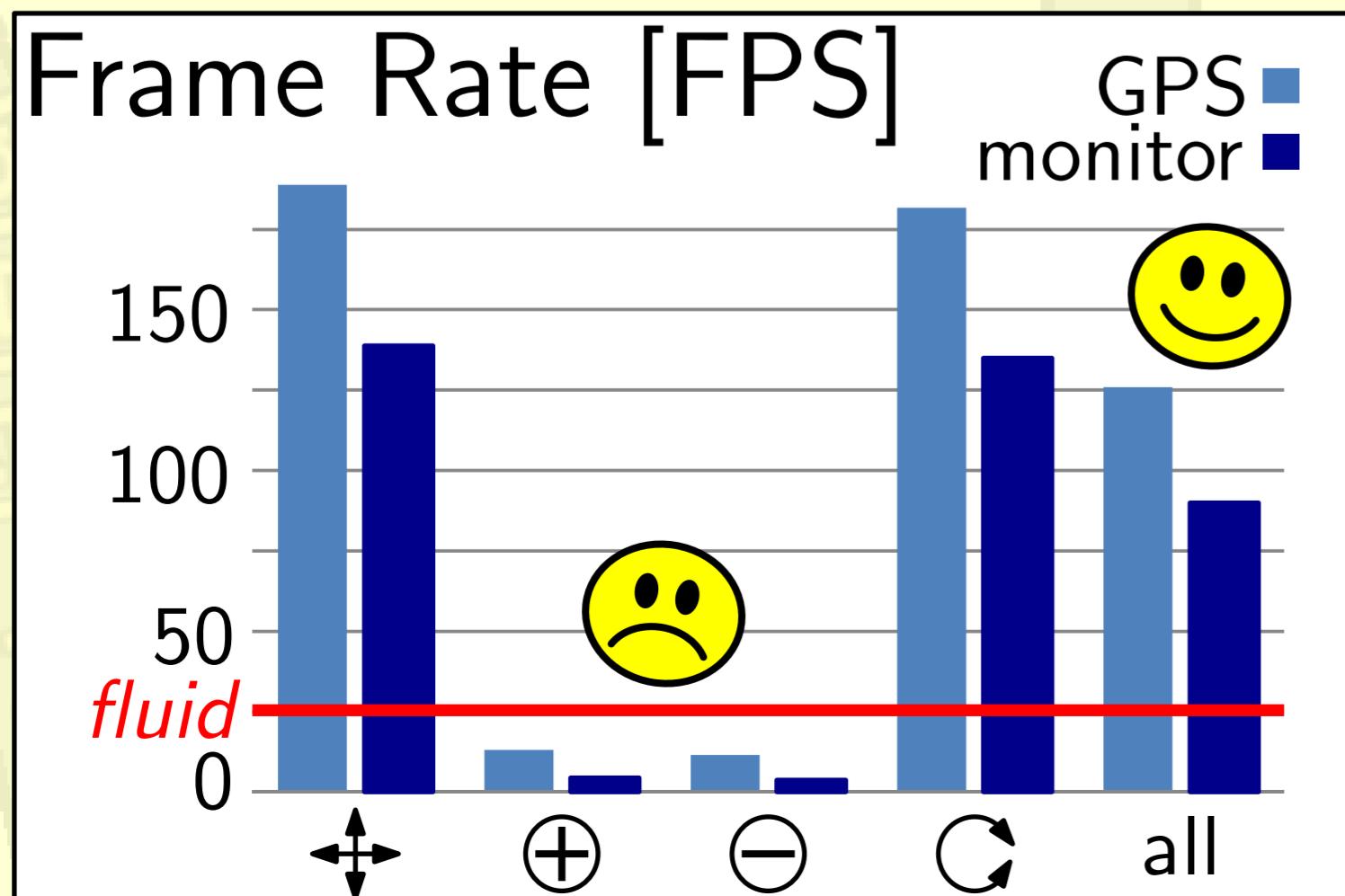


Algorithm

in each frame...



Results



lamut.informatik.uni-wuerzburg.de/dynalinelab.html

