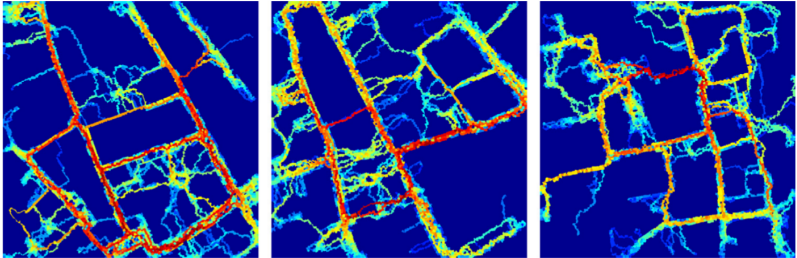


Road networks as collections of minimum cost paths

J. D. Wegner, J. A. Montoya-Zegarra, K. Schindler (JPRS 2015)



- ▶ Road extraction usually tackled with rule-based approaches
- ▶ Extension of their work that was enforcing the road to lie on line segments
- ▶ Create a large, over-complete set of candidates with minimum cost paths
- ▶ Minimum cost paths allows the regularization to arbitrary paths
- ▶ Map inference in a high-order CRF is used to select the optimal candidates
- ▶ Random forest classifier used as unary
- ▶ Evaluation on Graz and Vaihingen road network dataset