

Abstract: A Survey on Map Generation and Updating based on Network and Cloud Computing

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Abstract

Navigation systems have become an interesting research and industrial topic due to their wide deployment. In here, map database (DB) update for unknown maps information is a very important factor. So, multiple map DB providers are already available in these days, and try to reduce unknown maps information in their own maps. The realization of a map updating system can be usually divided into two fields: position and traffic sign detection, network and cloud based map generation and updating. This paper introduces the main difficulties in unknown maps information updating and briefly surveys the state-of-the-art technologies in this field with further discussions on the potential trend of development of unknown maps information updating

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