



RESEARCH ARTICLE

Enhanced Network Based Query Processing in Road networks

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Abstract— The location aware portable devices are widely increased. This rise to the usage of location based services to reveal their own location and needed location. The existing query processing techniques uses the private information of the user. It threatens the user identity, privacy and confidentiality. To overcome this, instead of spatial region with one query reference point to process the query, it uses nodes and edges to process query. Privacy does not apply due to the spatial region. In this paper, we propose a technique which processes the query to provide nearest location of the user. Network based query processing technique is used for privacy and the nearest location is obtained by incremental evaluation. Digital Signature is provided along with each query processing. It contains specific id for each processed query and user for future reference.

Key Terms: - kNN query; Privacy; location-based services; Digital Signature; K-anonymity; anonymizer

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