

## 既存データを利用した 位置情報匿名化手法の改良

## Improvement of Location Anonymization using Existing Data 情報セキュリティ大学院大学 システム分科会 西山 賢志郎

The field of big data have become important in Japan. Location is very useful in personal-data. Although location promise convenience, they threaten the privacy. So, the research of location anonymization is very actively. k-anonymity is known as a metric for privacy protection. For location k-anonymity quickly, Interval Cloak or Casper are well known. Although they satisfy k-anonymity, they may threaten the usefulness of the location.

In this paper, we propose an improved location anonymization method which have two features. One is to use existing data and the other is to delete the mesh actively for utilization. Furthermore, we show the results of usefulness for the proposed method.

