

QUERY EXPANSION BASED ON BILINGUAL DICTIONARY USING CONDITIONAL PROBABILITY

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Abstract

Query expansion is a technique that can be used to bridge vocabulary gaps between queries and documents in the collection. With query expansion, user will be helped to formulate queries well so that user will optimize the search result. In this study, the expansion term was resulted from the translation of bilingual dictionary. Subsequently, several terms of expansion were elected based on the closeness of its relationship with the original query. This research showed that conditional probability can be used to select expansion term in bilingual translation method query expansion. The result of 1000 documents was more than 97% relevant document can be retrieved by this system. The more expansion term used, the larger number relevant document was retrieved.