Spoken Document Retrieval by contents complement and keyword expansion using subordinate concept for NTCIR-SpokenDoc

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INTRODUCTION
We report on the result of investigating which relationship is important among hypernym and hyponym relationships in retrieval keyword expansion. Moreover, we report the effect of the keyword expansion and the contents complement for spoken document retrieval for SCR lecture retrieval task and SCR passage retrieval task. We report on the result of investigating which relationship is important among hypernym and hyponym relationships in retrieval keyword expansion.

CONCLUSIONS
The method of spoken document retrieval was examined using the contents complement and keyword expansion. It was found that a beginning subtopic is useful as topic information in the contents complement. The expansion of the retrieval keyword by using the subordinate concept was effective. Moreover, the method using the contents complement and keyword expansion was better than the individual use.