On the Class Boundary
For Two Class-Based Storage
(2 급별 저장방식에서 급경계에 관한 연구)

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Abstract

This paper deals with determining the boundary shape and the location of high activity zone for two class-based storage. The criterion is the expected travel time of the storage/retrival machine. For single command cycles, square-in-time boundary shape relative to the input/output point is proved to be optimal. For dual command cycles, some useful properties on the location of high activity zone which were partly justified in the literature by empirical studies are investigated. An open question concerning the location and the shape of high activity zone for dual command cycles is raised to be resolved.