

## CHARACTERIZATIONS OF FUNCTIONS WITH CLOSED GRAPH

BY

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**Abstract.** The nature and usefulness of KC functions in topology have been well established in literature. In this paper, we introduce a new class of functions to be called inversely KC functions and emphasize its utility in characterization of functions with closed graph for the first time. We hereby study the relation between KC functions and Inversely KC functions and investigate various specific conditions under which these functions can be converted into functions having closed graph.

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**Key words:** closed graph, KC function, inversely KC function, Frechet space,  $k$ -space.