

## SOME GENERALIZATIONS OF KANNAN'S FIXED POINT THEOREM IN $K$ -METRIC SPACES

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**Abstract.** We extend some known fixed point results for mappings satisfying Kannan type conditions to the context of  $K$ -metric spaces. Firstly, we prove a common fixed point result for non-commuting maps. A generalization of Kannan's fixed point theorem is given in some class of spaces including  $K$ -metric spaces.

**Key Words and Phrases:** Fixed point, Kannan contractive mapping,  $K$ -metric spaces.

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