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Common fixed point theorems for mapping in strong b-metric spaces

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- (1) Picard sequence
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- (6) Orbital continuity

Abstract

In this paper, we prove some common fixed point theorems for a pair of self-mapping satisfying a new hybrid contractive condition in strong b-metric spaces. Our results serve to unify and generalize an array of celebrated common fixed point theorems for contractive maps, including those of Banach, Rakotch, Kannan, Gornicki and Reich types. We also provide selected examples to illustrate the usefulness of our results.

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