PICARD SEQUENCES IN $b$-METRIC SPACES

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Abstract. The purpose of this article is to provide much simpler and shorter proofs of some important results in the framework of $b$-metric spaces. Namely, we show that the given contractive condition implies $b$-Cauchyness of the corresponding Picard sequence. The obtained results improve well-known comparable results in the literature.

Key Words and Phrases: $b$-metric space, $b$-complete, $b$-Cauchy, $b$-continuous, Picard sequence.

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