NONEXPANSIVE MAPPINGS
AND CONTINUOUS s-POINT SPACES

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Abstract. Here, the concept of continuous s-point space is introduced in b-metric spaces. Under suitable assumptions, these spaces are absolute retracts and a generalization of the continuous midpoint spaces. Moreover, an important fixed point theorem is proved for nonexpansive mappings in continuous s-point spaces.

Key Words and Phrases: Continuous s-point spaces, b-metric spaces, nonexpansive mappings.

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References

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