

Quasi-dislocated spaces

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In this talk a class of generalized α -admissible contraction mappings on quasi- b -dislocated spaces are defined. The study is inspired by recent fixed point and Ulam-Hyers stability results on b -metric spaces [1, 2] and quasi- b -dislocated spaces [3]. Existence and uniqueness of fixed points for this class of mappings is discussed. Various consequences of the main results are given. Ulam-Hyers stability and generalized Ulam-Hyers stability are defined on quasi- b -dislocated spaces and related Ulam-Hyers stability results for fixed point problems are stated.

The results presented in the talk extend and generalize some existing results in the literature.

REFERENCES

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