

A FIXED POINT THEOREM IN NON-ARCHIMEDEAN ASYMMETRIC NORMED LINEAR SPACES

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Abstract. Jointly with H.-P. Künzi we started investigating a concept of spherical completeness in ultra-quasipseudometric spaces which we called q -spherical completeness. In this article we study fixed point theorems in a space X endowed with a non-Archimedean asymmetric norm structure. Here we extend certain results of Petalas and Vidalis and Kirk and Shahzad.

Key Words and Phrases: Spherically complete, q -spherically complete, fixed points, non-Archimedean normed linear space.

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