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The fixed point property in a Banach space isomorphic to c_0

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Abstract: We consider a Banach space, which comes naturally from c_0 and it appears in the literature, and we prove that this space has the fixed point property for non-expansive mappings defined on weakly compact, convex sets.

Keywords: non-expansive mappings; fixed point property; Banach spaces isomorphic to c_0

AMS Subject Classification: Primary 47H10, 47H09, 46B25

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