

REMARKS ABOUT A P.K. LIN FIXED-POINT FREE MAP

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Abstract. In 1987 P.K. Lin found a fixed-point free selfmapping f of a closed convex subset of the unit ball of ℓ_2 . Here we point out some remarkable features of this mapping. In particular we will show that if $|\cdot|$ is any equivalent renorming of ℓ_2 , then f is not nonexpansive with respect to $|\cdot|$.

Key Words and Phrases: Fixed point, nonexpansive mapping, normal structure.

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