

MR2202784 (2006j:46024) [46B20](#) ([54E99](#) [54H05](#))

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On a Banach space with no weakly fragmented metric. (English summary)

Ital. J. Pure Appl. Math. No. 18 (2005), 157–166.

In this paper the author shows that under certain restrictions on the compact spaces X and Y , the weak topology of the Banach quotient space $C(Y)/\varphi^*(C(X))$ is not fragmented by any metric, where φ is a continuous map from Y onto X and $\varphi^*: C(X) \rightarrow C(Y)$ is its induced injection. In particular, such a space does not admit any equivalent strictly convex norm.

Reviewed by [Warren B. Moors](#)

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