SOME RESULTS CONCERNING PROPERTY CP

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In this talk we present some results that motivated the introduction of the following property, associated to connected closed smooth manifolds F : we say that F satisfies property CP (compatible with the point) if there exists a closed smooth manifold M and a smooth involution $T : M \to M$ such that its fixed point set is $F \cup \{point\}$.

We also present some properties related to the compatibility of CP with cobordism and cartesian products. Finally, we present examples of manifolds that satisfy or not satisfy CP.

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