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Rustam Sadykov* (rstsdk@gmail.com). *Enumerating singularities of smooth maps.*

According to the Whitney theorem, each smooth generic map $\mathbb{R}P^2 \rightarrow \mathbb{R}^2$ of a projective plane has an odd number of cusps. I will talk about how to count singularities of smooth maps of manifolds of higher dimension. (Received February 08, 2009)