

# Many real projective spaces are not Liouville fillable

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I will show that the standard contact structure on the real projective spaces  $\mathbb{R}P^{4k+1}$  is not Liouville fillable using a classical argument on degeneration of moduli spaces of holomorphic spheres. A stronger result has been obtained by Zhengyi Zhou using more algebraic methods. This is a joint work with Klaus Niederküger

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**Classification de Session:** Séminaire