

# Einstein metrics on spheres

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## **Abstract**

Based on recent joint work with K. Galicki and J. Kollár I outline how the study of the Sasakian geometry of links of isolated hypersurface singularities produces an abundance of Einstein metrics on spheres, including exotic spheres. The method produces deformation classes of Einstein metrics both of whose ‘number of components’ and ‘number of moduli’ grow double exponentially with dimension. The method applies equally well to other  $(n - 1)$ -connected manifolds of dimension  $2n + 1$ .