

CORRECTION TO “COMPACT FOUR-DIMENSIONAL EINSTEIN MANIFOLDS”

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In this paper (J. Differential Geometry **16** (1981) 475–481) the author intended to construct an Einstein metric on a product of two 2-spheres by a conformal change of metric. The first step of the construction was to define a metric on a 2-sphere. However the metric still has a singularity at the north or south pole.

Dr. Andrzej Derdzinski indicates this error and informs the author of the following proposition with proof:

Proposition. *Let M be a compact four-dimensional Einstein manifold. If M is conformally equivalent to a product of two surfaces in an open subset of M , then the universal covering of M is isometric to a product of two surfaces or is a space form.*

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