

Beauville, Arnaud**A tale of two surfaces.** (English) [Zbl 1388.14108](#)

Oguiso, Keiji (ed.) et al., Higher dimensional algebraic geometry. In honour of Professor Yujiro Kawamata's sixtieth birthday. Proceedings of the conference, Tokyo, Japan, January 7–11, 2013. Tokyo: Mathematical Society of Japan (MSJ) (ISBN 978-4-86497-046-4/hbk). Advanced Studies in Pure Mathematics 74, 1-10 (2017).

Summary: We point out a link between two surfaces which have appeared recently in the literature: the surface of cuboids and the Schoen surface. Both give rise to a surface with $q = 4$, whose canonical map is 2-to-1 onto a complete intersection of 4 quadrics in \mathbb{P}^6 with 48 nodes.

For the entire collection see [\[Zbl 1388.14012\]](#).

MSC:

- [14J25](#) Special surfaces
- [14J17](#) Singularities of surfaces or higher-dimensional varieties
- [14N05](#) Projective techniques in algebraic geometry

Cited in **1** Review
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Keywords:

surface of cuboids; canonical map; Schoen surface

Full Text: [arXiv](#)