

Campana, F.; Zhang, Qi

Compact Kähler threefolds of π_1 -general type. (English) [Zbl 1216.32011](#)

Kachi, Yasuyuki (ed.) et al., Recent progress in arithmetic and algebraic geometry. Proceedings of the 31st annual Barrett lecture series conference, Knoxville, TN, USA, April 25–27, 2002. Providence, RI: American Mathematical Society (AMS) (ISBN 0-8218-3401-0/pbk). Contemporary Mathematics 386, 1–12 (2005).

Summary: We classify these threefolds, which are the ones such that their universal cover is not compact and not covered by positive-dimensional compact analytic subsets. We show that these threefolds have nonnegative Kodaira dimension, and that their Iitaka-Moishezon fibrations are, after a suitable finite étale cover, bimeromorphic to a submersion with fibres complex tori, and base of general type and π_1 -general type.

For the entire collection see [\[Zbl 1078.14002\]](#).

MSC:

[32J17](#) Compact complex 3-folds

[32Q57](#) Classification theorems for complex manifolds

Cited in **1** Document

Full Text: [arXiv](#)