

Fujino, Osamu; Gongyo, Yoshinori**On log canonical rings.** (English) [Zbl 1388.14058](#)

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, 159-169 (2017).

Summary: We discuss the relationship among various conjectures in the minimal model theory including the finite generation conjecture of the log canonical rings and the abundance conjecture.

In particular, we show that the finite generation conjecture of the log canonical rings for log canonical pairs can be reduced to that of the log canonical rings for purely log terminal pairs of log general type.

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

MSC:[14E30](#) Minimal model program (Mori theory, extremal rays)[14C20](#) Divisors, linear systems, invertible sheaves

Cited in 1 Review Cited in 3 Documents

Full Text: [arXiv](#)