

Cornell University Library

Search or Article-id (Help | Advanced search) arXiv.org > math > arXiv:1107.4878 - Go! All papers Mathematics > Algebraic Geometry Download: PDF **Minimal Model Program with** PostScript Other formats scaling and adjunction theory Current browse context: math.AG Marco Andreatta < prev | next > new | recent | 1107 (Submitted on 25 Jul 2011 (v1), last revised 17 Dec 2012 (this version, v2)) Change to browse by: Let (X,L) be a quasi polarized pairs, i.e. X is a normal complex projective math variety and L is a nef and big line bundle on it. We study, up to birational equivalence, the positivity (nefness) of the adjoint bundles K X + rL for high References & Citations rational number r. For this we run a Minimal Model Program with scaling NASA ADS relative to the divisor K_X +rL. We give some applications, namely the classification up to birational equivalence of quasi polarized pairs with Bookmark(what is this?) sectional genus 0,1 and of embedded projective varieties X < P^N with degree 📃 🕸 🗶 🚾 🖬 💼 🚽 😭 💇 smaller than 2codim(X) +2. Science WISE

Comments: 12 pages. Proposition 3.6 of the previous version was incomplete. Some proofs have been shortened. The paper will be published on International Journal of Mathematics

Subjects: Algebraic Geometry (math.AG)

MSC classes: 14E30, 14J40, 14N30, 14N25 Cite as: arXiv:1107.4878 [math.AG] (or arXiv:1107.4878v2 [math.AG] for this version)

Submission history

From: Marco Andreatta [view email] [v1] Mon, 25 Jul 2011 09:54:43 GMT (12kb) [v2] Mon, 17 Dec 2012 12:27:46 GMT (13kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.