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Divisorial contractions to codimension three orbits. (English. French summary)

Summary: Let $G$ be a connected algebraic group. We study $G$-equivariant extremal contractions whose centre is a codimension three $G$-simply connected orbit. In the spirit of an important result by M. Kawakita [Invent. Math. 145, No. 1, 105–119 (2001; Zbl 1091.14007)], we prove that those contractions are weighted blow-ups.

MSC:
14E30 Minimal model program (Mori theory, extremal rays)
14L30 Group actions on varieties or schemes (quotients)

Keywords:
divisorial contraction; weighted blow-ups; equivariant morphism; algebraic groups

Full Text: arXiv