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Abstracts of Short Communications and Posters

Section:

4. Algebraic Geometry

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Prokhorov, Yuri G., Moscow State University
Mori contractions of relative dimension 1
A *Mori conic bundle* is an extremal contraction from a threefold with only terminal singularities onto a surface (see [1]). We give a partial classification of such contractions and prove that the canonical divisor is n-complementary (in the sense of [2]) for bounded n. Connections with blow-ups of terminal singularities are discussed.
References:
[1] Yu. G. Prokhorov, On the existence of complements of canonical divisor for Mori conic bundles, *Russian Acad. Sci. Sb. Math.* **188** (1997), 99–120.
[2] V. V. Shokurov,3-fold log flips, *Russian Acad. Sci. Izv. Math.* **40** (1993), 93–202 & **43** (1994), 527–558.