Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) Vol. XIII (2014), 435-463

Factoring threefold divisorial contractions to points

JUNGKAI ALFRED CHEN

Abstract. We show that any terminal 3-fold divisorial contraction to a point of index > 1 with non-minimal discrepancy may be factored into a sequence of flips, flops and divisorial contractions to points with minimal discrepancies.

Mathematics Subject Classification (2010): 14E30 (primary); 14J30, 14E05 (secondary).