

Topology of klt singularities (after Braun)

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I will survey the recent proof of Braun of the finiteness of local fundamental group of klt singularities. It is achieved by proving in the same time that the orbifold locus of a Fano pair has a finite fundamental group (this last statement was a longstanding conjecture studied by Zhang, Gurjar, Kobayashi and others). The proof uses tools from different areas : L^2 methods, adjunction, construction of models through the MMP, tubular neighborhood of a singular divisor...