

## Thierry Hild: Volumes of cusped hyperbolic orbifolds

The first part is an introduction to the theory of non-compact hyperbolic orbifolds. Analogously to the manifold case, the set of possible volumes in a given dimension is a well-ordered subset of  $\mathbb{R}_{>0}$ . A natural question is the determination of the candidates having minimal volume. In the second part, we explain the basic ideas of a method which allows us to detect these candidates at least in dimensions less than ten.