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Ilesanmi Adeboye* (adeboye@math.ucsb.edu). *Volumes of Hyperbolic Orbifolds.*

In this talk, a result due to H. C. Wang, and some comparison geometry, is used to construct an explicit lower bound for the volume of a hyperbolic orbifold dependent only on dimension. The techniques are then generalized to all rank one symmetric spaces of noncompact type. This is joint work with Guofang Wei. (Received February 15, 2011)