

**Boileau, Michel; Leeb, Bernhard; Porti, Joan**

**Uniformization of small 3-orbifolds.** (English. Abridged French version) Zbl 0976.57017  
C. R. Acad. Sci., Paris, Sér. I, Math. 332, No. 1, 57-62 (2001).

A 3-orbifold is called small if it has no essential 2-suborbifolds. In this note, the authors announce the uniformization of compact oriented small 3-orbifolds. Together with the uniformization of Haken 3-orbifolds [*M. Boileau* and *J. Porti*, Geometrization of 3-orbifolds of cyclic type, *Astérisque* 272 (2001)], this result implies the uniformization theorem for compact irreducible 3-orbifolds.

The proof is only sketched and details should appear elsewhere. More details are given in the case with finite fundamental group, which requires a different approach.

Reviewer: [Joan Porti \(Bellaterra\)](#)

**MSC:**

**57M50** General geometric structures on low-dimensional manifolds  
**57M60** Group actions on manifolds and cell complexes in low dimensions

Cited in **5** Documents

**Keywords:**

3-orbifold; small; geometric structure; uniformization

**Full Text:** [DOI](#)