

Anderson, Michael T.

Geometrization of 3-manifolds via the Ricci flow. (English) Zbl 1161.53350
[Notices Am. Math. Soc. 51, No. 2, 184-193 \(2004\)](#).

Summary: The classification of three manifolds is a major quest in topology. The author discusses the recent work of Perelman, and the work of Thurston and Hamilton on which it builds, towards classification.

MSC:

- 53C44** Geometric evolution equations (mean curvature flow, Ricci flow, etc.) (MSC2010)
- 53C20** Global Riemannian geometry, including pinching
- 53C21** Methods of global Riemannian geometry, including PDE methods; curvature restrictions
- 57M50** General geometric structures on low-dimensional manifolds

Cited in 2 Reviews Cited in 10 Documents

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