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On special Riemannian 3-manifolds with distinct constant Ricci eigenvalues. (English)

Zbl 0934.53027

Math. Bohem. 124, No. 1, 45-66 (1999).

Summary: The first author and *F. Prüfer* [*Z. Anal. Anwend.* 14, 43-58 (1995; [Zbl 0821.53036](#))] gave an explicit classification of all Riemannian 3-manifolds with distinct constant Ricci eigenvalues and satisfying additional geometric conditions. The aim of the present paper is to get the same classification under weaker geometric conditions.

MSC:

[53C20](#) Global Riemannian geometry, including pinching

[53C25](#) Special Riemannian manifolds (Einstein, Sasakian, etc.)

[53C30](#) Differential geometry of homogeneous manifolds

[53C21](#) Methods of global Riemannian geometry, including PDE methods; curvature restrictions

Keywords:

Riemannian manifold; constant principal Ricci curvatures

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