

**Nagano, Koichi****Asymptotic rigidity of Hadamard 2-spaces.** (English) Zbl 0984.53014

J. Math. Soc. Japan 52, No. 4, 699-723 (2000).

Locally compact, geodesically complete 2-dimensional Hadamard spaces whose Tits ideal boundaries have the minimal diameter equal to  $\pi$ , are classified. Moreover, the author gives a classification of the universal covering spaces of certain 2-dimensional nonpositively curved spaces. This is an extension of the result obtained in the polyhedral case by *W. Ballmann* and *M. Brin* [Publ. Math., Inst. Hautes Étud. Sci. 82, 169-209 (1995; Zbl 0866.53029)] and by *S. Barré* [Ann. Inst. Fourier 45, No. 4, 1037-1059 (1995; Zbl 0831.53031)].

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**MSC:****53C20** Global Riemannian geometry, including pinching**53C22** Geodesics in global differential geometryCited in **3** Documents**Keywords:**

Hadamard space; ideal boundary; Tits metric

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