

Li, Peter; Treibergs, Andrejs E.

Pinching theorem for the first eigenvalue on positively curved four- manifolds. (English)

[Zbl 0496.53032](#)

Invent. Math. 66, 35-38 (1982).

For a scan of this review see the [web version](#).

MSC:

53C20 Global Riemannian geometry, including pinching

58J50 Spectral problems; spectral geometry; scattering theory on manifolds

Cited in **1** Review
Cited in **4** Documents

Keywords:

first eigenvalue of the Laplacian; four-sphere; gradient estimates for eigenfunctions; pinching theorem

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

References:

- [1] Grove, K., Shiohama, K.: A generalized sphere theorem. *Ann. of Math.*106, 201-211 (1977) · [Zbl 0357.53027](#) · [doi:10.2307/1971164](#)
- [2] Li, P., Yau, S.T.: Estimates of eigenvalues of a compact Riemannian manifold. *Proc. Sym. Pure Math.*36, 205-239 (1980) · [Zbl 0441.58014](#)
- [3] Li, P., Zhong, J.Q.: Pinching theorem for the first eigenvalue on positively curved manifolds. *Invent. Math.* In press (1981) · [Zbl 0496.53031](#)

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