Ranjbar-Motlagh, Alireza
Rigidity of spheres in Riemannian manifolds and a non-embedding theorem. (English)
Zbl 1032.53047
Bol. Soc. Bras. Mat., Nova Sér. 32, No. 2, 159-171 (2001).

The author studies isometric immersions between Riemannian manifolds. He obtains sufficient conditions in terms of curvatures and the external diameter in order that the image of the immersion is contained in a geodesic sphere. He uses this result to obtain non-embedding theorems.

Reviewer: Gerhard Knieper (Bochum)

MSC:

53C40	Global submanifolds
53C24	Rigidity results
53C42	Differential geometry of immersions (minimal, prescribed curvature, tight, etc.)

Cited in **2** Reviews
Cited in **6** Documents

Keywords:

isometric immersions; non-embedding theorems

Full Text: DOI

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