

Riemannian Geometry

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Chapter 1

Main results

There are our main results.

Lemma 1 (Luo's lemma). *For any $\epsilon > 0$, there exists a positive number l so that when $r_i > l$, the inner angle θ_i^{jk} in the hyperbolic triangle \triangle_{ijk} is smaller than ϵ .*