



图书基本信息

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<<双曲几何讲义>>

内容概要

One of the main themes of this book is the conflict between the "flexibility' and the "rigidity properties of the hyperbolic manifolds : the first radical difference arises between the case of dimension 2 and the case of higher dimensions (as proved in chapters B and C) , an elementary feature of thus phenomenon being the difference between the Riemann mapping theorem and Liouville's theorem , as pointed out in chapter A. Thus chapter is rather clementary and most of its material may' be the object of an undergraduate course.

Together with the rigidity theorem , a basic tool for the study of hyperbolic manifolds is Margulis' lemma , a detailed proof of which we give in chapter D; as a consequence of this result in the same chapter we also give a rather accurate description , in all dimensions , of the thin-thick decomposition of a hyperbolic manifold (especially in case of finite volume).

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