

<<拓扑学 >>

图书基本信息

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内容概要

本书作者是拓扑学领域最知名的专家之一，曾获菲尔兹奖和沃尔夫数学奖。

本书对整个拓扑学领域(不包括一般拓扑学(集论拓扑学))作出最新综述。

依照诺维科夫自己的观点，拓扑学在19世纪末被称为位置分析，随后分为组合拓扑、代数拓扑、微分拓扑、同伦拓扑、几何拓扑等不同的领域。

本书从基本原理开始，随之阐述当前的研究前沿，概述这些领域；第二章介绍纤维空间；第三章论述CW-复形、同调和同伦理论、配边理论、K-理论及亚当斯-诺维科夫谱序列；第四章全面(而精要)地讨论流形理论。

本书附录大致阐述了纽结和连接理论及低维拓扑中的令人瞩目的最新进展。

通过本书，读者可以全面了解拓扑学的概念。

本书具有指导意义，将促使不同的作者对这些拓扑学领域给出更详尽的综述。

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