Boundedly Controlled Topology

Douglas R. Anderson
Hans J. Munkholm

Lecture Notes in Mathematics

1323

Boundedly Controlled Topology

Foundations of Algebraic Topology
and Simple Homotopy Theory

Springer
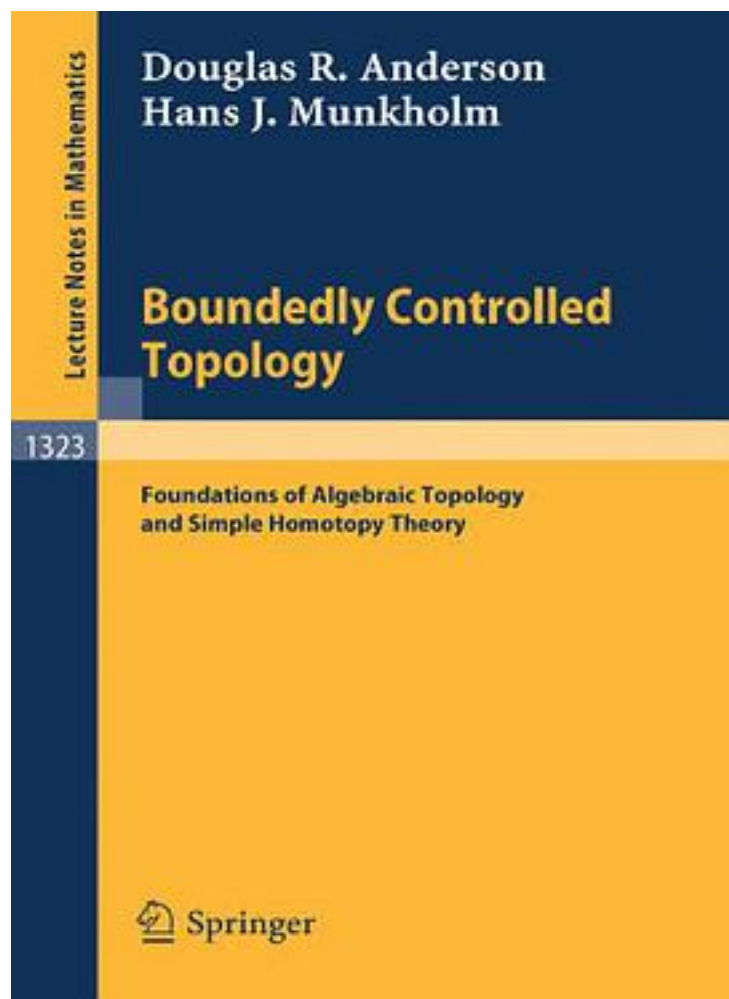
[Boundedly Controlled Topology_下载链接1_](#)

著者:Douglas R. Anderson

出版者:Springer

出版时间:1988-07-22

装帧:Paperback

isbn:9783540193975

Several recent investigations have focused attention on spaces and manifolds which are non-compact but where the problems studied have some kind of "control near

infinity." This monograph introduces the category of spaces that are "boundedly controlled" over the (usually non-compact) metric space Z. It sets out to develop the algebraic and geometric tools needed to formulate and to prove boundedly controlled analogues of many of the standard results of algebraic topology and simple homotopy theory. One of the themes of the book is to show that in many cases the proof of a standard result can be easily adapted to prove the boundedly controlled analogue and to provide the details, often omitted in other treatments, of this adaptation. For this reason, the book does not require of the reader an extensive background. In the last chapter it is shown that special cases of the boundedly controlled Whitehead group are strongly related to lower K-theoretic groups, and the boundedly controlled theory is compared to Siebenmann's proper simple homotopy theory when Z = IR or IR2.

作者介绍:

目录:

[Boundedly Controlled Topology_下载链接1_](#)

标签

评论

[Boundedly Controlled Topology_下载链接1_](#)

书评

[Boundedly Controlled Topology_下载链接1_](#)