

<<弦拓扑与环同调>>

图书基本信息

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内容概要

This book explores string topology, Hochschild and cyclic homology, assembling material from a wide scattering of scholarly sources in a single practical volume. The first part offers a thorough and elegant exposition of various approaches to string topology and the ChasSullivan loop product. The second gives a complete and clear construction of an algebraic model for computing topological cyclic homology.

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作者简介

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<<弦拓扑与环同调>>

书籍目录

- i notes on string topology
- ralph l. cohen and alexander a. voronov
- introduction
- 1 intersection theory in loop spaces
 - 1.1 intersections in compact manifolds
 - 1.2 the chas-sullivan loop product
 - 1.3 the bv structure and the string
- bracket
 - 1.4 a stable homotopy point of view
 - 1.5 relation to hochschild cohomology
- 2 the cacti operad
 - 2.1 props and operads
 - 2.1.1 prop's
 - 2.1.2 algebras over a prop
 - 2.1.3 operads
 - 2.1.4 algebras over an operad
 - 2.1.5 operads via generators and relations
 - 2.2 the cacti operad
 - 2.3 the cacti action on the loop space
 - .2.3.1 action via
- correspondences
 - 2.3.2 the bv structure
- 3 string topology as field theory
 - 3.1 field theories
 - 3.1.1 topological field theories
 - 3.1.2 (topological) conformal field theories
 - 3.1.3 examples
 - 3.1.4 motivic tcfts
 - 3.2 generalized string topology operations
 - 3.3 open-closed string topology
- 4 a morse theoretic viewpoint
 - 4.1 cylindrical gradient graph flows
 - 4.2 cylindrical holomorphic curves in t^*m
- 5 brahe topology
 - 5.1 the higher-dimensional cacti operad
 - 5.2 the cacti action on the sphere space
 - 5.3 the algebraic structure on homology
 - 5.4 sphere spaces and hochschild homology
- bibliography
- ii an algebraic model for mod 2 topological cyclic homology
- kathryn hess
- preface
 - 1 preliminaries

<<弦拓扑与环同调>>

- 1.1 elementary definitions, terminology and notation
- 1.2 the canonical, enriched adams-hilton model
 - 1.2.1 twisting cochains
 - 1.2.2 strongly homotopy coalgebra and comodule maps
 - 1.2.3 the canonical adams-hilton model
- 1.3 noncommutative algebraic models of fiber squares
- 2 free loop spaces
 - 2.1 a simplicial model for the free loop space
 - 2.1.1 the general model
 - 2.1.2 choosing the free loop model functorially
 - 2.2 the multiplicative free loop space model
 - 2.2.1 the diagonal map
 - 2.2.2 the path fibration
 - 2.2.3 the free loop space model
 - 2.3 the free loop model for topological spaces
 - 2.4 linearization of the free loop model
- 3 homotopy orbit spaces
 - 3.1 a special family of primitives
 - 3.2 a useful resolution of cu, es_1
 - 3.3 modeling s_1 -homotopy orbits
 - 3.4 the case of the free loop space
- 4 a model for mod 2 topological cyclic homology
 - 4.1 the pth -power map
 - 4.2 topological cyclic homology
- bibliography

章节摘录

版权页：插图：The biholomorphic maps are part of the data, which in particular means that choosing a different biholomorphic map for the same hole is likely to change the point in the moduli space. The more precise nonoverlapping condition is that the closed disks in the inputs do not intersect pairwise and the closed disks in the outputs do not intersect pairwise, however, an input and an output disk may have common boundary, but are still not allowed to intersect at an interior point. This technicality brings in the identity morphisms to the PROP, but does not create singular Riemann surfaces by composition. The composition of morphisms in this PROP is given by sewing the Riemann surfaces along the boundaries, using the equation $zw = 1$ in the holomorphic parameters coming from the standard one on the unit disk. The tensor product of morphisms is the disjoint union. This PROP plays a crucial role in Conformal Field Theory, as we will see now.

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