

1. Record Nr.	UNINA9910455594703321
Titolo	Topological library . Part 2 Characteristic classes and smooth structures on manifolds [[electronic resource] /] / editors, S.P. Novikov, I.A. Taimanov ; translated by V.O. Manturov
Pubbl/distr/stampa	Hackensack, N.J., : World Scientific, c2010
ISBN	1-282-76067-X 9786612760679 981-283-687-X
Descrizione fisica	1 online resource (278 p.)
Collana	Series on knots and everything ; ; v. 44
Altri autori (Persone)	NovikovS. P (Sergei Petrovich) TaimanovI. A <1961-> (Iskander Asanovich)
Disciplina	514/.72
Soggetti	Cobordism theory Characteristic classes Differential topology Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Originally published in Russian.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents; S. P. Novikov's Preface; 1 J. Milnor. On manifolds homeomorphic to the 7-sphere; 1. The invariant (M7); 2. A partial characterization of the n-sphere; 3. Examples of 7-manifolds; 4. Miscellaneous results; References; 2 M. Kervaire and J. Milnor. Groups of homotopy spheres. I; 1. Introduction; 2. Construction of the group π_n ; 3. Homotopy spheres are s-parallelizable; 4. Which homotopy spheres bound parallelizable manifolds?; 5. Spherical modifications; 6. Framed spherical modifications; 7. The groups π_{2k} ; 8. A cohomology operation; References 3 S. P. Novikov. Homotopically equivalent smooth manifolds Introduction; Chapter I. The fundamental construction; 1. Morse's surgery; 2. Relative π -manifolds; 3. The general construction; 4. Realization of classes; 5. The manifolds in one class; 6. One manifold in different classes; Chapter II. Processing the results; 7. The Thom space of a normal bundle. Its homotopy structure; 8. Obstructions to a diffeomorphism of manifolds having the same

homotopy type and a stable normal bundle; 9. Variation of a smooth structure keeping triangulation preserved
 10. Varying smooth structure and keeping the triangulation preserved. Morse surgery
 Chapter III. Corollaries and applications; 11. Smooth structures on Cartesian product of spheres; 12. Low-dimensional manifolds. Cases $n = 4, 5, 6, 7$; 13. Connected sum of a manifold with Milnor's sphere; 14. Normal bundles of smooth manifolds; Appendix 1. Homotopy type and Pontrjagin classes; Appendix 2. Combinatorial equivalence and Milnor's microbundle theory; Appendix 3. On groups; Appendix 4. Embedding of homotopy spheres into Euclidean space and the suspension stable homomorphism
 Introduction 1. Formulation of results; 2. The proof scheme of main theorems; 3. A geometrical lemma; 4. An analog of the Hurewicz theorem; 5. The functor $P = \text{Hom}c$ and its application to the study of homology properties of degree one maps; 6. Stably freeness of kernel modules under the assumptions of Theorem 3; 7. The homology effect of a Morse surgery; 8. Proof of Theorem 3; 9. Proof of Theorem 6; 10. One generalization of Theorem 5; Appendix 1. On the signature formula; Appendix 2. Unsolved questions concerning characteristic class theory
 Appendix 3. Algebraic remarks about the functor $P = \text{Hom}c$

Sommario/riassunto

This is the second of a three-volume set collecting the original and now-classic works in topology written during the 1950s-1960s. The original methods and constructions from these works are properly documented for the first time in this book. No existing book covers the beautiful ensemble of methods created in topology starting from approximately 1950, that is, from Serre's celebrated "singular homologies of fiber spaces." *Sample Chapter(s)*
 Chapter 1: On manifolds homeomorphic to the 7-sphere1 (153 KB)
Contents:

- On Manifolds Homeomorphic to the 7-Sphere

2. Record Nr.	UNINA9910786019303321
Autore	Heinlein Sabine <1973->
Titolo	Among murderers [[electronic resource]] : life after prison // Sabine Heinlein
Pubbl/distr/stampa	Berkeley, Calif., : University of California Press, c2013
ISBN	0-520-95477-7
Descrizione fisica	1 online resource (257 p.)
Disciplina	364.80973
Soggetti	Criminals - Rehabilitation - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Acknowledgements -- Introduction -- Freedom day -- At the garden -- Street code -- Talking murder -- Poster boys -- Dinner with bruce -- Work readiness -- Prisoners still -- The penis monologues -- At the barber -- Causalities -- The new coat -- A haunted house -- Waiting for nothing -- Growing old -- Silent forgiveness -- Lies and good luck -- Sex, love, and race -- From attica to broadway -- The new home -- On guard -- Epilogue -- Notes -- References.
Sommario/riassunto	What is it like for a convicted murderer who has spent decades behind bars to suddenly find himself released into a world he barely recognizes? What is it like to start over from nothing? To answer these questions Sabine Heinlein followed the everyday lives and emotional struggles of Angel Ramos and his friends Bruce and Adam-three men convicted of some of society's most heinous crimes-as they return to the free world.Heinlein spent more than two years at the Castle, a prominent halfway house in West Harlem, shadowing her protagonists as they painstakingly learn how to master their freedom. Having lived most of their lives behind bars, the men struggle to cross the street, choose a dish at a restaurant, and withdraw money from an ATM. Her empathetic first-person narrative gives a visceral sense of the men's inner lives and of the institutions they encounter on their odyssey to redemption. Heinlein follows the men as they navigate the subway, visit the barber shop, venture on stage, celebrate Halloween, and loop through the maze of New York's reentry programs. She asks what constitutes successful rehabilitation and how one faces the guilt and

shame of having taken someone's life. With more than 700,000 people being released from prisons each year to a society largely unprepared and unwilling to receive them, this book provides an incomparable perspective on a pressing public policy issue. It offers a poignant view into a rarely seen social setting and into the hearts and minds of three unforgettable individuals who struggle with some of life's harshest challenges.

3. Record Nr.	UNINA9910367740903321
Autore	Pulido Rafael
Titolo	Dual Specificity Phosphatases: From Molecular Mechanisms to Biological Function
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019
ISBN	3-03921-689-9
Descrizione fisica	1 online resource (240 p.)
Soggetti	Biology, life sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Dual specificity phosphatases (DUSPs) constitute a heterogeneous group of protein tyrosine phosphatases with the ability to dephosphorylate Ser/Thr and Tyr residues from proteins, as well as from other non-proteinaceous substrates including signaling lipids. DUSPs include, among others, MAP kinase (MAPK) phosphatases (MKPs) and small-size atypical DUSPs. MKPs are enzymes specialized in regulating the activity and subcellular location of MAPKs, whereas the function of small-size atypical DUSPs seems to be more diverse. DUSPs have emerged as key players in the regulation of cell growth, differentiation, stress response, and apoptosis. DUSPs regulate essential physiological processes, including immunity, neurobiology and metabolic homeostasis, and have been implicated in tumorigenesis, pathological inflammation and metabolic disorders. Accordingly, alterations in the expression or function of MKPs and

small-size atypical DUSPs have consequences essential to human disease, making these enzymes potential biological markers and therapeutic targets. This Special Issue covers recent advances in the molecular mechanisms and biological functions of MKPs and small-size atypical DUSPs, and their relevance in human disease.
