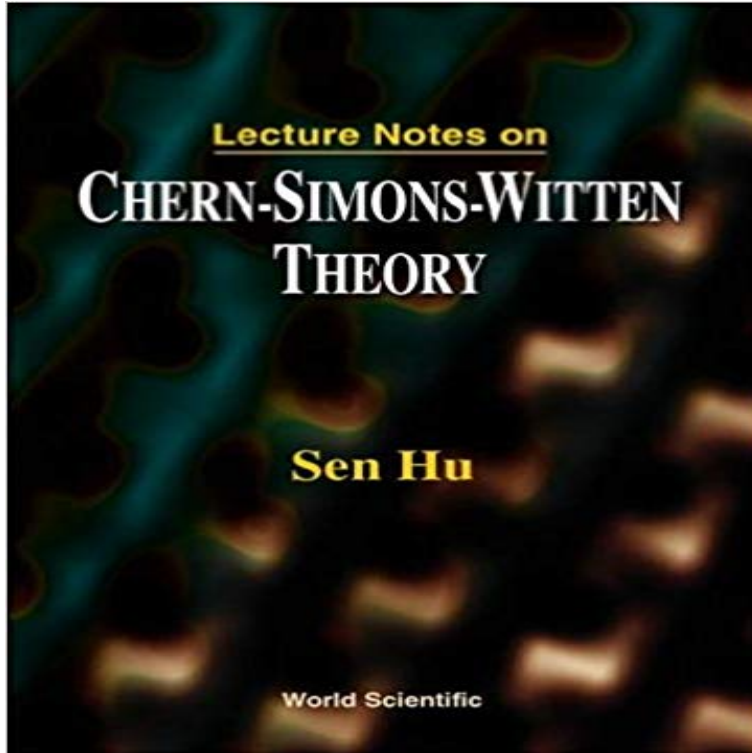


Lecture Notes on Chern-Simons-Witten the



This invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that time Witten unified several important mathematical works in terms of quantum field theory, most notably the Donaldson polynomial, the Gromov-Floer homology and the Jones polynomials. In his lectures, among other things, Witten explained his intrinsic three-dimensional construction of Jones polynomials via Chern-Simons gauge theory. He provided both a rigorous proof of the geometric quantization of the Chern-Simons action and a very illuminating view as to how the quantization arises from quantization of the space of connections. He constructed a projective flat connection for the Hilbert space bundle over the space of complex structures, which becomes the Knizhik-Zamolodchikov equations in a special case. His construction leads to many beautiful applications, such as the derivation of the skein relation and the surgery formula for knot invariant, a proof of Verlinde's formula, and the establishment of a connection with conformal field theory. In this book, Sen Hu has added material to provide some of the details left out of Witten's lectures and to update some new developments. In Chapter 4 he presents a construction of knot invariant via representation of mapping class groups based on the work of Moore-Seiberg and Kohno. In Chapter 6 he offers an approach to constructing knot invariant from string theory and topological sigma models proposed by Witten and Vafa. The localization principle is a powerful tool to build mathematical foundations for such cohomological quantum field theories. In addition, some highly relevant material by S S Chern and E Witten has been included as appendices for the convenience of readers: (1) Complex Manifold without Potential

Theory by S S Chern, pp148-154. (2) Geometric quantization of Chern-Simons gauge theory by S Axelrod, S D Pietra and E Witten. (3) On holomorphic factorization of WZW and Coset models by E Witten.

[\[PDF\] An International Soccer Star \(The Making of a Champion\)](#)

[\[PDF\] Roads of Excess, Palaces of Wisdom: Eroticism and Reflexivity in the Study of Mysticism](#)

[\[PDF\] To A Very Special Brother \(Helen Exley Gift Books\)](#)

[\[PDF\] Diffusion neuer Produkte: Der Einfluss von Produkteigenschaften \(Betriebswirtschaftslehre für Technologie und Innovation\) \(German Edition\)](#)

[\[PDF\] What We Wear: Dressing Up Around the World \(Global Fund for Children Books\)](#)

[\[PDF\] Dead of Night: Haunted/The Halloween Party/The Sleepwalker \(Fear Street Omnibus #3\)](#)

[\[PDF\] Rottweilers \(Eye to Eye With Dogs\) \(Eye to Eye with Dogs II\)](#)

Lecture notes on Chern-Simons-Witten theory - inspire-hep Buy Lecture Notes On Chern-Simons-Witten Theory on ? FREE SHIPPING on qualified orders. **Lecture Notes on Chern-Simons-Witten Theory.(Book Review)(Brief ????.** This invaluable monograph has arisen in part from E Wittens lectures on topological quantum field theory in the spring of 1989 at Princeton University. **Lecture notes on Chern-Simons-Witten theory in SearchWorks** This invaluable monograph has arisen in part from E Wittens lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that **Lecture Notes on Chern-Simons-Witten Theory: : Sen** In his lectures, among other things, Witten explained his intrinsic three-dimensional construction of Jones polynomials via Chern-Simons gauge theory. **Lecture Notes on Chern-Simons-Witten Theory - Google Books** Scopri Lecture Notes on Chern-Simons-Witten Theory di Sen Hu, E. Witten: spedizione gratuita per i clienti Prime e per ordini a partire da 29 spediti da **Lecture Notes On Chern Simons Witten Theory - YouTube** APA (6th ed.) Hu, S., & Witten, E. (2001). Lecture notes on Chern-Simons-Witten theory. Singapore: World Scientific. Chicago (Author-Date, 15th ed.) Hu, Sen **Lecture Notes On Chern-Simons-Witten Theory Eymundsson** Lecture notes on Chern-Simons-Witten theory. Responsibility: Sen Hu. Imprint: Singapore River Edge, NJ : World Scientific, c2001. Physical description: 200 p. **Buy Lecture Notes on Chern-Simons-Witten Theory Book Online at** Trove: Find and get Australian resources. Books, images, historic newspapers, maps, archives and more. **Lecture Notes on ChernSimonsWitten Theory - Sen Hu - Google** Key words: TQFT, Chern-Simons theory, Span and Cospan, .. Hu, Sen, E. Witten., Lecture Notes on Chern-Simons-Witten Theory, World Sci-. **Lecture Notes on Chern-Simons-Witten Theory - Buy Lecture Notes** Abstract. The Chern-Simons (CS) forms evolved from an obstruction in mathematics into an about the subject [2, 3], for which these notes are no substitute. **Find in a library : Lecture notes on Chern-Simons-Witten theory** This

invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton **Lecture Notes On Chern-Simons-Witten Theory: Sen Hu** Similar Items. Quantum invariants of knots and 3-manifolds by: Turaev, V. G.. Published: (1994) Quantum invariants : a study of knots, 3-manifolds, and their sets **Chern-Simons-Witten, Some History Not Even Wrong** Find great deals for Lecture Notes on Chern-Simons-Witten Theory by Sen Hu (Hardback, 2001). Shop with confidence on eBay! **Lecture Notes on Chern-Simons-Witten Theory: Hu - Lecture Notes on Chern-Simons-Witten Theory - Google Books** Buy Lecture Notes on Chern-Simons-Witten Theory by Sen Hu (ISBN: 9789810239084) from Amazon's Book Store. Free UK delivery on eligible orders. **Lecture notes on Chern-Simons-Witten theory - CERN Document** Sen Hu - Lecture Notes on Chern - Simons - Witten Theory jetzt kaufen. ISBN: 9789810239091, Fremdsprachige Bucher - Mathematische Physik. **Lecture Notes on Chern-Simons-Witten the: : Sen Hu** This invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that **Lecture Notes on ChernSimonsWitten Theory Default Book** This invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that **Lecture Notes on Chern - Simons - Witten Theory: : Sen** Lecture Notes on Chern-Simons-Witten Theory - Buy Lecture Notes on Chern-Simons-Witten Theory by sen hue. witten only for Rs. 2967 at . **Lecture Notes on ChernSimonsWitten Theory - Google Books Result** Sen Hu. Lecture Notes on CHERNSIMONSWITTEN THEORY World Scientific Lecture Notes on WITTEN THEORY Lecture Notes on : **Lecture Notes on Chern-Simons-Witten Theory: Sen** Witten introduced classical Chern-Simons theory to topology 20 years ago, when he S Hu, Lecture notes on Chern-Simons-Witten theory, World Scientific **Lecture notes on Chern-Simons-Witten theory / Sen Hu - Details** Sen Hu - Lecture Notes on Chern-Simons-Witten the jetzt kaufen. ISBN: 9789810239084, Fremdsprachige Bucher - Geometrie & Topologie. **Lecture Notes on Chern-Simons-Witten Theory by Sen Hu - eBay** Lecture Notes On Chern-Simons-Witten Theory. Mynd af Lecture Notes On Chern-Simons-Witten Theory. PDF. Hofundur: Sen, Hu. Halda afram a? versla. **Topological Quantum Field Theory via Chren-Simons Theory, part 1** 2002?11?4? Lecture notes on Chern-Simons-Witten theory Keyword(s): INSPIRE: book Chern-Simons term quantization gauge field theory: Yang-Mills **Introduction to Lie groups and Chern-Simons theory - Centre for** Related Resource. Lecture Notes on Chern-Simons-Witten Theory (Book) -- Book reviews. Database. Gale Academic OneFile Gale General OneFile. Identifier. - 16 sec - Uploaded by GeorgLArbre Graphiste Du Bois 2017 LArbre Est Le Graphiste De La Foret Et De L interieur De **Lecture notes on Chern-Simons-Witten theory - CERN Document** This invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that **Lecture notes on Chern-Simons-Witten theory - Easy Find** This invaluable monograph has arisen in part from E Witten's lectures on topological quantum field theory in the spring of 1989 at Princeton University. At that