

1. Record Nr.	UNINA9910427685303321
Autore	Mizera Sebastian
Titolo	Aspects of scattering amplitudes and moduli space localization / / Sebastian Mizera
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-53010-8
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XVII, 134 p. 18 illus., 14 illus. in color.)
Collana	Springer Theses
Disciplina	515.37
Soggetti	Differential forms Riemann surfaces Geometry, Differential
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter1: Introduction -- Chapter2: Intersection Numbers of Twisted Differential Forms -- Chapter3: Recursion Relations from Braid Matrices -- Chapter4: Further Examples of Intersection Numbers -- Chapter5: Conclusion.
Sommario/riassunto	This thesis proposes a new perspective on scattering amplitudes in quantum field theories. Their standard formulation in terms of sums over Feynman diagrams is replaced by a computation of geometric invariants, called intersection numbers, on moduli spaces of Riemann surfaces. It therefore gives a physical interpretation of intersection numbers, which have been extensively studied in the mathematics literature in the context of generalized hypergeometric functions. This book explores physical consequences of this formulation, such as recursion relations, connections to geometry and string theory, as well as a phenomenon called moduli space localization. After reviewing necessary mathematical background, including topology of moduli spaces of Riemann spheres with punctures and its fundamental group, the definition and properties of intersection numbers are presented. A comprehensive list of applications and relations to other objects is given, including those to scattering amplitudes in open- and closed-string theories. The highlights of the thesis are the results regarding

localization properties of intersection numbers in two opposite limits: in the low- and the high-energy expansion. In order to facilitate efficient computations of intersection numbers the author introduces recursion relations that exploit fibration properties of the moduli space. These are formulated in terms of so-called braid matrices that encode the information of how points braid around each other on the corresponding Riemann surface. Numerous application of this approach are presented for computation of scattering amplitudes in various gauge and gravity theories. This book comes with an extensive appendix that gives a pedagogical introduction to the topic of homologies with coefficients in a local system.

2. Record Nr.	UNINA9910818418903321
Autore	Harris W. C (William Conley)
Titolo	Slouching towards gaytheism : christianity and queer survival in America / / W. C. Harris
Pubbl/distr/stampa	Albany, New York : , : SUNY Press, , 2014 ©2014
ISBN	1-4384-5113-X
Descrizione fisica	1 online resource (279 p.)
Collana	SUNY series in queer politics and cultures
Disciplina	241/.664
Soggetti	Homosexuality - Religious aspects - Christianity Homosexuality - 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 and index.
Nota di contenuto	Contents -- Acknowledgments -- Introduction: Where Gays Lie -- 1. "The End of the Rainbow, My Pot of Gold": The Queer Erotics of Purity Balls and Christian Abstinence Culture -- 2. Breeding Fraternities: Ex-Gay Ministries, Barebacking, and Alternative Models of Relation -- 3. Jesus Needs Gays, Yes He Does: Gay Religion, Queer Spirituality, and the Recalcitrance of Ideology -- 4. Slouching towards Gaytheism: Gay Suicide, "It Gets Better," and Religion's Stranglehold on Queer Survival -- Conclusion: Before the Cock Crows -- Notes -- Works Cited -- Index.

Slouching towards Gaytheism brings together two intellectual traditions--the New Atheism and queer theory--and moves beyond them to offer a new voice for gay Americans and atheists alike. Examining the continued vehemence of homophobia in cultural and political debate regarding queer equality, this unabashed polemic insists that the needs met by religion might be met--more safely and less toxically--by forms of community that do not harass and malign gay and lesbian Americans or impede collective social progress. Argues that compromises with traditional religion, no matter how enlightened or well intentioned, will ultimately leave heteronormativity alive and well. He explores a range of recent movements, such as Dan Savage's "It Gets Better" project, reparative "ex-gay" therapy, Christian purity culture, and attempts by liberal Christians to reconcile religion with homosexuality, and shows how these proposed solutions are either inadequate or positively dangerous. According to the author, the time has come for "gaytheism": leaving religion behind in order to preserve queer dignity, rights, and lives.
