

1. Record Nr.	UNINA9910842293403321
Autore	Getz Jayce R.
Titolo	An Introduction to Automorphic Representations : With a view toward trace formulae // by Jayce R. Getz, Heekyoung Hahn
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031411533 3031411536
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (611 pages)
Collana	Graduate Texts in Mathematics, , 2197-5612 ; ; 300
Disciplina	515.9
Soggetti	Number theory Topological groups Lie groups Harmonic analysis Geometry, Algebraic Number Theory Topological Groups and Lie Groups Abstract Harmonic Analysis Algebraic Geometry Funcions automorfes Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Affine Algebraic Groups -- 2. Adeles -- 3. Discrete Automorphic Representations -- 4. Archimedean Representation Theory -- 5. Representations of Totally Disconnected Groups -- 6. Automorphic Forms -- 7. Unramified Representations -- 8. Nonarchimedean Representation Theory -- 9. The Cuspidal Spectrum -- 10. Einsenstein Series -- 11. Rankin-Selberg L-functions -- 12. Langlands Functoriality -- 13. Known Cases of Global Langlands Functoriality -- 14. Distinction and Period Integrals -- 15. The Cohomology of Locally Symmetric Spaces -- 16. Spectral Sides of the Trace Formulae -- 17. Orbital Integrals -- 18. Simple Trace Formulae -- 19. Applications of Trace

Formulae -- A. Groups attached to involutions of algebras -- B. The Iwasawa Decomposition -- C. Poisson Summation -- D. Alternate conventions related to adelic quotients -- Hints to selected exercises -- References -- Index.

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## Sommario/riassunto

The goal of this textbook is to introduce and study automorphic representations, objects at the very core of the Langlands Program. It is designed for use as a primary text for either a semester or a year-long course, for the independent study of advanced topics, or as a reference for researchers. The reader is taken from the beginnings of the subject to the forefront of contemporary research. The journey provides an accessible gateway to one of the most fundamental areas of modern mathematics, with deep connections to arithmetic geometry, representation theory, harmonic analysis, and mathematical physics. The first part of the text is dedicated to developing the notion of automorphic representations. Next, it states a rough version of the Langlands functoriality conjecture, motivated by the description of unramified admissible representations of reductive groups over nonarchimedean local fields. The next chapters develop the theory necessary to make the Langlands functoriality conjecture precise. Thus supercuspidal representations are defined locally, cuspidal representations and Eisenstein series are defined globally, and Rankin-Selberg L-functions are defined to give a link between the global and local settings. This preparation complete, the global Langlands functoriality conjectures are stated and known cases are discussed. This is followed by a treatment of distinguished representations in global and local settings. The link between distinguished representations and geometry is explained in a chapter on the cohomology of locally symmetric spaces (in particular, Shimura varieties). The trace formula, an immensely powerful tool in the Langlands Program, is discussed in the final chapters of the book. Simple versions of the general relative trace formulae are treated for the first time in a textbook, and a wealth of related material on algebraic group actions is included. Outlines for several possible courses are provided in the Preface.

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2. Record Nr.	UNINA9910969267103321
Autore	Dixon Patrick
Titolo	Sustainagility : how smart innovation and agile companies will help protect our future / / Patrick Dixon, Johan Gorecki
Pubbl/distr/stampa	London ; ; Philadelphia, : Kogan Page, c2010
ISBN	9786613018557 9781283018555 1283018551 9780749460846 0749460849
Edizione	[1st ed.]
Descrizione fisica	1 online resource (232 p.)
Altri autori (Persone)	GoreckiJohan
Disciplina	338.9/27
Soggetti	Sustainable development Technological innovations - Environmental aspects Social responsibility of business Recycling (Waste, etc.)
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	Copyright Page; Table of Contents; Acknowledgements; About the Authors; Introduction: Future Scene; Chapter One Take Hold of the Future; Chapter Two Alternative Power Generation; Chapter Three Cleaner Coal, Oil and Gas; Chapter Four Smart Power and the Nuclear Boom; Chapter Five Beter Cars, Trucks, Trains, Planes and Ships; Chapter Six Future Cities: Lower carbon to carbon-free; Chapter Seven Green product development and IT; Chapter Eight Solving the Water Crisis; Chapter Nine Protecting and Managing Forests; Chapter Ten Feeding the Whole World; Chapter Eleven Funding Green Tech Chapter Twelve Business Agility and Innovation; Afterword: Ten Steps to Profitable sustainability; Further Information; Notes; Index
Sommario/riassunto	Sustainagility explores the way in which innovative and agile business ideas, processes and products have the ability to solve some of the world's most complex sustainability challenges. Examples and case studies will be used to demonstrate how real companies have successfully used innovative and agile methods to improve their

businesses, make a profit and fight some of the greatest threats to the world's ecosystems.

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