

1. Record Nr.	UNINA9910767587003321
Autore	Chongchitnan Siri
Titolo	Exploring University Mathematics with Python / / by Siri Chongchitnan
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-46270-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (521 pages)
Disciplina	510.285
Soggetti	Computer software Python (Computer program language) Algebras, Linear Mathematical analysis Probabilities Mathematical Software Python Linear Algebra Analysis Probability Theory Python (Llenguatge de programació) Probabilitats Àlgebra lineal Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1 Analysis -- 2 Calculus -- 3 Vector Calculus and Geometry -- 4 Differential Equations and Dynamical Systems -- 5 Linear Algebra -- 6 Abstract Algebra and Number Theory -- 7 Probability -- 8 Statistics -- Appendix A: Python 101.
Sommario/riassunto	This book provides a unique tour of university mathematics with the help of Python. Written in the spirit of mathematical exploration and investigation, the book enables students to utilise Python to enrich their understanding of mathematics through: Calculation: performing complex calculations and numerical simulations instantly Visualisation:

demonstrating key theorems with graphs, interactive plots and animations Extension: using numerical findings as inspiration for making deeper, more general conjectures. This book is for all learners of mathematics, with the primary audience being mathematics undergraduates who are curious to see how Python can enhance their understanding of core university material. The topics chosen represent a mathematical overview of what students typically study in the first and second years at university, namely analysis, calculus, vector calculus and geometry, differential equations and dynamical systems, linear algebra, abstract algebra and number theory, probability and statistics. As such, it can also serve as a preview of university mathematics for high-school students. The prerequisites for reading the book are a familiarity with standard A-Level mathematics (or equivalent senior high-school curricula) and a willingness to learn programming. For mathematics lecturers and teachers, this book is a useful resource on how Python can be seamlessly incorporated into the mathematics syllabus, assuming only basic knowledge of programming.

2. Record Nr.	UNINA9910966048403321
Autore	Boobbyer Philip
Titolo	Conscience, dissent and reform in Soviet Russia / / Philip Boobbyer
Pubbl/distr/stampa	London ; ; New York : , : Routledge, , 2005
ISBN	1-317-57121-5 1-317-57122-3 0-203-39803-3
Descrizione fisica	1 online resource (297 p.)
Collana	BASEES/Routledge series on Russian and East European studies
Disciplina	306.2/0947/0904 306.209470904
Soggetti	Political culture - Soviet Union Conduct of life Dissenters - Soviet Union Social reformers - Soviet Union Revolutionaries - Soviet Union Social sciences and ethics - Soviet Union Soviet Union Moral conditions Soviet Union Intellectual life 1970-1991 Soviet Union Politics and government 1953-1985 Soviet Union Politics and government 1985-1991

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references (pages [233]-269) and index.
Nota di contenuto	Cover; Half Title; Title Page; Copyright Page; Dedication; Table of Contents; Acknowledgements; Notes on the text; Introduction; 1 Russian moral traditions before 1917; 2 Tension and change in revolutionary ethics; 3 Moral experience under Stalin; 4 The rebirth of conscience under Khrushchev; 5 The ethics of the human rights movement; 6 In search of inner freedom; 7 Dialogue and division in the dissident movement; 8 Conscience in literature; 9 Moral aspects of in-system dissent; 10 The ethics of the party reformers; 11 Conscience and repentance during glasnost' 12 The democratic movement and its dilemmas13 Conclusion; Appendix: List of interviews; Notes; Index
Sommario/riassunto	This book embraces the political, intellectual, social and cultural history of Soviet Russia. Providing a useful perspective of Putin's Russia, and with a strong historical and religious background, the book: looks at the changing features of the Soviet ideology from Lenin to Stalin, and the moral universe of Stalin's timeexplores the history of the moral thinking of the dissident intelligentsiaexamines the moral dimension of Soviet dissent amongst dissidents of both religious and secular persuasions, and includes biographical material explores the ethical assumptions of the perestroika era, f