

1. Record Nr.	UNISA996464399803316
Autore	Kurgalin Sergei
Titolo	Algebra and Geometry with Python / / Sergei Kurgalin, Sergei Borzunov
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2021] ©2021
ISBN	3-030-61541-3
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (XVI, 425 p. 49 illus.)
Disciplina	004.0151
Soggetti	Computer science - Mathematics Geometry Python (Computer program language)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Matrices and Matrix Algorithms -- Matrix Algebra -- Systems of Linear Equations -- Complex Numbers and Matrices -- Vector Spaces -- Vectors in a Three-Dimensional Space -- Equation of a Straight Line on a Plane -- Equation of a Plane in Space -- Equation of a Line in Space -- Bilinear and Quadratic Forms -- Curves of the Second-Order -- Elliptic Curves -- Appendix A, Basic Operators in Python and C -- Appendix B, Trigonometric Formulae -- Appendix C, The Greek Alphabet -- References -- Name Index -- Subject Index.
Sommario/riassunto	This book teaches algebra and geometry. The authors dedicate chapters to the key issues of matrices, linear equations, matrix algorithms, vector spaces, lines, planes, second-order curves, and elliptic curves. The text is supported throughout with problems, and the authors have included source code in Python in the book. The book is suitable for graduate students and advanced undergraduate students in computer science.