

1. Record Nr.	UNINA9910254298803321
Autore	Glaeser Georg
Titolo	Math Tools : 500+ Applications in Science and Arts // by Georg Glaeser
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-66960-5
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VI, 562 p. 650 illus., 446 illus. in color.)
Disciplina	510
Soggetti	Mathematics Applied mathematics Engineering mathematics Statistics Mathematics, general Mathematical and Computational Engineering Statistics, general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	1 Introduction -- 2 Equations, systems of equations -- 3 Proportions and similar objects -- 4 Angles and trigonometry -- 5 Vector analysis -- 6 Functions and their derivatives -- 7 Curves and surfaces -- 8 Infinitesimal calculus -- 9 Statistics and probability calculus -- A Music and mathematics -- B Numbers -- Index.
Sommario/riassunto	In this book, topics such as algebra, trigonometry, calculus and statistics are brought to life through over 500 applications ranging from biology, physics and chemistry to astronomy, geography and music. With over 600 illustrations emphasizing the beauty of mathematics, Math Tools complements more theoretical textbooks on the market, bringing the subject closer to the reader and providing a useful reference to students. By highlighting the ubiquity of mathematics in practical fields, the book will appeal not only to students and teachers, but to anyone with a keen interest in mathematics and its applications.

