

1. Record Nr.	UNINA9910953604703321
Autore	Nahin Paul J
Titolo	Dr. Euler's fabulous formula : cures many mathematical ills // Paul J. Nahin ; with a new preface by the author
Pubbl/distr/stampa	Princeton, N.J., : Princeton University Press, c2006
ISBN	9786613058010 9780691175911 0691175918 9781400838479 1400838479 9781283058018 1283058014
Edizione	[With a New preface by the author]
Descrizione fisica	xxxii, 380 p. : ill
Collana	Princeton Science Library ; ; 52
Disciplina	512.7/88
Soggetti	Numbers, Complex Euler's numbers Mathematics - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First paperback printing, 2011.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Preface to the Paperback Edition -- Preface -- Introduction -- Chapter 1. Complex Numbers -- Chapter 2. Vector Trips -- Chapter 3. The Irrationality of 2 -- Chapter 4. Fourier Series -- Chapter 5. Fourier Integrals -- Chapter 6. Electronics and 1 -- Euler: The Man and the Mathematical Physicist -- Notes -- Acknowledgments -- Index
Sommario/riassunto	In the mid-eighteenth century, Swiss-born mathematician Leonhard Euler developed a formula so innovative and complex that it continues to inspire research, discussion, and even the occasional limerick. Dr. Euler's Fabulous Formula shares the fascinating story of this groundbreaking formula-long regarded as the gold standard for mathematical beauty-and shows why it still lies at the heart of complex number theory. In some ways a sequel to Nahin's An Imaginary Tale, this book examines the many applications of complex numbers

alongside intriguing stories from the history of mathematics. Dr. Euler's Fabulous Formula is accessible to any reader familiar with calculus and differential equations, and promises to inspire mathematicians for years to come.
