

Today complex numbers have such widespread practical use--from electrical engineering to aeronautics--that few people would expect the story behind their derivation to be filled with adventure and enigma. In *An Imaginary Tale*, Paul Nahin tells the 2000-year-old history of one of mathematics most elusive numbers, the square root of minus one, also known as  $i$ . He recreates the baffling mathematical problems that conjured it up, and the colorful characters who tried to solve them. In 1878, when two brothers stole a mathematical papyrus from the ancient Egyptian burial site in the Valley of Kings, they led scholars to the earliest known occurrence of the square root of a negative number. The papyrus offered a specific numerical example of how to calculate the volume of a truncated square pyramid, which implied the need for  $i$ . In the first century, the mathematician-engineer Heron of Alexandria encountered  $i$  in a separate project, but fudged the arithmetic; medieval mathematicians stumbled upon the concept while grappling with the meaning of negative numbers, but dismissed their square roots as nonsense. By the time of Descartes, a theoretical use for these elusive square roots--now called imaginary numbers--was suspected, but efforts to solve them led to intense, bitter debates. The notorious  $i$  finally won acceptance and was put to use in complex analysis and theoretical physics in Napoleonic times. Addressing readers with both a general and scholarly interest in mathematics, Nahin weaves into this narrative entertaining historical facts and mathematical discussions, including the application of complex numbers and functions to important problems, such as Kepler's laws of planetary motion and ac electrical circuits. This book can be read as an engaging history, almost a biography, of one of the most evasive and pervasive numbers in all of mathematics.

Recollections of a Tour Made in Scotland A.D. 1803, Letter From America 3: The Final Years, 1982-2003, The Aftershock Investor: A Crash Course in Staying Afloat in a Sinking Economy, Son porte-bonheur (Les Freres Kelly) (Volume 3) (French Edition), Passion (Fallen, Book 3), Peter Parker, The Spectacular Spider-Man (1976-1998) #23,

In the United Kingdom: Princeton University Press, 3 Market Place, The Library of Congress has cataloged the cloth edition of this book as follows. Nahin, Paul J. *An imaginary tale: the story of [the square root of minus one]* / Paul J. Nahin. 1. Numbers, Complex. I. Title. QAN34 ISBN (cloth: alk. *An Imaginary Tale: The Story of the Square Root of -1*, Paul J. Nahin, + xvi pp.\$ cloth. ISBN Princeton University Press, *An Imaginary Tale: The Story of  $\sqrt{-1}$*  This is a reprint in the New Princeton Science Library of a classic. The series brings reprints in cheap. In *An Imaginary Tale*, Paul Nahin tells the year-old history of one of Published February 1st by Princeton University Press (first published ) .. Today, the square root of  $-1$ , commonly notated as  $i$ , forms the basis for . When I went to the Cincinnati Public Library web site to request *An Imaginary Tale*, it was. *An Imaginary Tale - The Story of Square Root Minus One* (Princeton Science Library). Published April ?? ???????????? ???  $\sqrt{-1}$  (Paperback) *Imaginary Tale: The Story of  $i$  [The Square Root of Minus One]* (Princeton Library Science Edition) . *An Imaginary Tale: The Story of  $\sqrt{-1}$*  (Princeton Science Library). allmovie.com: *An Imaginary Tale: The Story of  $\sqrt{-1}$*  (Princeton Science Library) () by Paul J. Nahin and a great selection of. In *An Imaginary Tale*, Paul Nahin tells the year-old history of one of mathematics' most elusive numbers, the square root of Princeton University Press, Feb 22, - *Mathematics* - pages . Volume 42 of Princeton Science Library. Read Online or Download *An Imaginary Tale: The Story of  $\sqrt{-1}$*  (With a new preface by the author) (Princeton Science Library) PDF. *An imaginary tale: the story of [the square root of minus one]*. by Paul J Nahin. Print book. English. New Princeton Science Library edition tale: the story of  $\sqrt{-1}$  by Paul J Nahin. Print book. English. 1. Princeton science library ed .

[\[PDF\] Recollections of a Tour Made in Scotland A.D. 1803](#)

[\[PDF\] Letter From America 3: The Final Years, 1982-2003](#)

[\[PDF\] The Aftershock Investor: A Crash Course in Staying Afloat in a Sinking Economy](#)

[\[PDF\] Son porte-bonheur \(Les Freres Kelly\) \(Volume 3\) \(French Edition\)](#)

[\[PDF\] Passion \(Fallen, Book 3\)](#)

[\[PDF\] Peter Parker, The Spectacular Spider-Man \(1976-1998\) #23](#)

First time show top book like [An Imaginary Tale: The Story of v-1 \(Princeton Science Library\)](#) ebook. I get a pdf at the syber 10 weeks ago, on October 31 2018. All file downloads at [allmovieearch.com](#) are eligible to anyone who like. No permission needed to take a book, just press download, and this copy of a book is be yours. Take your time to know how to get this, and you will found [An Imaginary Tale: The Story of v-1 \(Princeton Science Library\)](#) in [allmovieearch.com](#)!