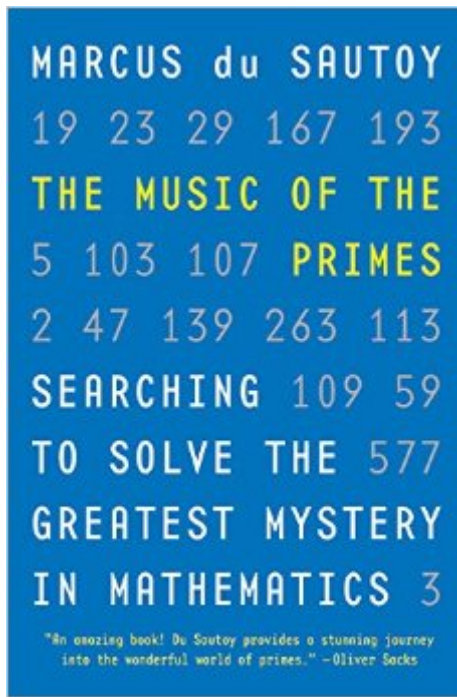The book was found

Music Of The Primes, The

Synopsis

Inthe tradition of Fermatâ ™s Enigma and Pi, Marcus du Sautoy tells the illuminating, authoritative, and engagingstory of Bernhard Reimann and the ongoing quest tocapture the holy grail of mathematicsâ "the formula to predict prime numbers.Oliver Sacks, author of The Man Who Mistook His Wife for a Hat, calls TheMusic of the Primes â œan amazing book.Â .Â .Â .Â I could not put it down once Ihad started.â • Simon Winchester, author of The Professor and the Madman,writes, â œthis fascinating account, decoding the inscrutable language of themathematical priesthood, is written like the purest poetry. Marcus du Sautoy's enthusiasm shines through every line of this hymnto the joy of high intelligence, illuminating as it does so even the darkestcorners of his most arcane universe.â •

Book Information

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Customer Reviews

One of the attractions of number theory is that it has to do with the counting numbers; if you can get from one to two and then to three, you are well on your way to hitting all the subject matter of "The Queen of Mathematics." All those numbers can be grouped into two simple categories. The composite numbers, like 15, are formed by multiplying other numbers together, like 3 and 5. The prime numbers are the ones like 17 that cannot be formed by multiplying, except by themselves and 1. Those prime numbers have held a particular fascination for mathematicians; they are the atoms from which the composites are made, but they have basic characteristics that no one yet has fully fathomed. We know a lot about prime numbers, because mathematicians have puzzled over them for centuries. We know that as you count higher and higher, the number of primes thin out, but

Euclid had a beautiful proof that there is no largest prime. However, the primes seem to show up irregularly, without pattern. Can we tell how many primes are present below 1,000,000 for instance, without counting every one? How about even higher limits? Speculating about the flow of primes led eventually to the Riemann Hypothesis, the subject of _The Music of the Primes: Searching to Solve the Greatest Mystery in Mathematics_ (HarperCollins) by mathematician Marcus du Sautoy. The counting numbers turn out to be astonishingly complicated, and Du Sautoy knows that egghead number theorists will understand these complications better than we nonmathematicians, but he invites us to consider at a layman's level the importance of the particular quest of proving the Riemann Hypothesis. He is convincing in his demonstration that it is worth knowing what all the effort is about.

Music of the Primes, The The Call of the Primes: Surprising Patterns, Peculiar Puzzles, and Other Marvels of Mathematics Elementary Number Theory: Primes, Congruences, and Secrets: A Computational Approach (Undergraduate Texts in Mathematics) iPad Music School: A Hands-On Introduction to Making Music on iOS (Apptronica Music App Series Book 2) Water Music and Music for the Royal Fireworks in Full Score (Dover Music Scores) Music Publishing: The Real Road to Music Business Success (Mix Pro Audio Series) Music Therapy: Discover The Healing Power Of Music Music at the Edge: The Music Therapy Experiences of a Musician with AIDS Keyboard Music (Dover Music for Piano) Beethoven - String Quartets, Op. 18: No. 1 in F Major & No. 4 in C Minor: Music Minus One Violin (Music Minus One (Numbered)) Bellini - La Sonnambula: Soprano Scenes & Arias with Orchestra: Music Minus One Soprano (Music Minus One (Numbered)) Berlioz Orchestral Music (BBC Music Guides) Organ Music for Manuals Only: 33 Works by Berlioz, Bizet, Franck, Saint-Saens and Others (Dover Music for Organ) The Wind and Wind-Chorus Music of Anton Bruckner (Contributions to the Study of Music and Dance) Baroque And Folk Tunes For Recorder: An Unusual Collection of Music Arranged for the Recorder, containing over Fifty Pieces from Over 300 Years of Music Claude Debussy Piano Music 1888-1905 (Dover Music for Piano) Dvorak: His Life and Music (His Life & Music) A Treasury of Organ Music for Manuals Only: 46 Works by Bach, Mozart, Franck, Saint-Saëns and Others (Dover Music for Organ) French Organ Music: From the Revolution to Franck and Widor (Eastman Studies in Music) Orchestral Favorites - Volume 2: Music Minus One Violin (Music Minus One (Numbered))