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**Remarkable Mathematicians: From Euler to von Neumann** ---

Remarkable Mathematicians: From Euler to Von Neumann It is not uncommon for physics students to know more about the history of physics than mathematics students do about the history of mathematics. Physical laws often come with a name attached; mathematics constitutes a more homogenous structure, and thus tracing parentage can be harder.

**Remarkable mathematicians | plus.maths.org**

Remarkable Mathematicians: From Euler to Von Neumann MAA spectrum Spectrum series of the Mathematical Association of America Spectrum series: Authors: Ioan James, Professor Ioan James, James Ioan:..

**Remarkable Mathematicians: From Euler to Von Neumann** ---

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**Remarkable Mathematicians | From Euler to Von Neumann by** ---

Remarkable mathematicians : from Euler to von Neumann by James, I. M. (Ioan Mackenzie), 1928-

**Remarkable mathematicians | From Euler to von Neumann** ---

Remarkable Mathematicians: From Euler to Von Neumann. Ioan James. This book profiles 60 important mathematicians whose combined stories represent an outline of the way in which mathematics developed from 1700 to 1910. The biographies, which average 7 pages in length, are arranged chronologically and emphasize the life stories of the characters rather than the details of their achievements.

**Remarkable Mathematicians: From Euler to Von Neumann** ---

Remarkable Mathematicians From Euler to von Neumann, Ioan James, Cambridge University Press, 2002, 320 pp, paper, ISBN 0521520940, \$28.95, distributed by The Mathematical Association of America, P.O. Box 91112, Washington, D.C. 20090-1112. MAA catalog code RMA/YD03. 1-800-331-1622 or www.maa.org .

**Remarkable Mathematicians | Mathematical Association of** ---

Euler's great interest in number theory can be traced to the influence of his friend in the St. Peterburg Academy, Christian Goldbach. A lot of his early work on number theory was based on the works of Pierre de Fermat, and developed some of Fermat's ideas. One focus of Euler's work was to link the nature of prime distribution with ideas in analysis.

**Contributions of Leonhard Euler to mathematics** --- **Wikipedia**

Euler's mathematical ability earned him the esteem of Johann Bernoulli, one of the first mathematicians in Europe at that time, and of his sons Daniel and Nicolas. In 1727 he moved to St. Petersburg, where he became an associate of the St. Petersburg Academy of Sciences and in 1733 succeeded Daniel Bernoulli to the chair of mathematics.

**Leonhard Euler | Biography, Education, Contributions** ---

In St. Petersburg on 18 September 1783, after a lunch with his family, Euler was discussing the newly discovered planet Uranus and its orbit with a fellow academician Anders Johan Lexell, when he collapsed from a brain hemorrhage. He died a few hours later.

**Leonhard Euler** --- **Wikipedia**

Remarkable Mathematicians book. Read 3 reviews from the world's largest community for readers. Ioan James introduces and profiles sixty mathematicians fr...

**Remarkable Mathematicians: From Euler to Von Neumann by** ---

Through the inclusion of Germain, Kovalevskaya, Noether, Takagi, Ramanujan, half a dozen American and two Soviet mathematicians, you see the beginnings of the broadening of that community. Perhaps even more usefully, you can dip in quickly to find that key fact or anecdote about Jacobi or Borel for tomorrow's class, or a picture of Poncelet in uniform to enliven your transparencies.

**Remarkable Mathematicians: From Euler to von Neumann** ---

Remarkable Mathematicians: From Euler to von Neumann. Preface 1. From Euler to Legendre 2. From Fourier to Cauchy 3. From Abel to Grassmann 4. From Kummer to Cayley 5. From Hermite to Lie 6. From Cantor to Hilbert 7. From Moore to Takagi 8.

**PDF** **Remarkable Mathematicians: From Euler to von Neumann** ---

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**Remarkable Mathematicians: From Euler to Von Neumann** ---

Leonhard Euler was one of the giants of 18th Century mathematics. Like the Bernoulli's, he was born in Basel, Switzerland, and he studied for a while under Johann Bernoulli at Basel University. But, partly due to the overwhelming dominance of the Bernoulli family in Swiss mathematics, and the difficulty of finding a good position and recognition in his hometown, he spent most of his academic ...

**Leonhard Euler** --- **Swiss Mathematician** --- **Story of Mathematices**

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KO: One that I like a lot is Remarkable Mathematicians: From Euler to von Neumann, by Ioan James, which is a series of 60 engaging short biographies of mathematicians, which need not be read in order—it's a book you can dip in and out of.

**The Millions: Remarkable Mathematicians: From Euler to von** ---

Remarkable mathematicians : from Euler to von Neumann. [I M James] -- Introduces and profiles sixty mathematicians, starting with the era which saw mathematics freed from its classical origins and ending in the development of its modern form.

Ioan James introduces and profiles sixty mathematicians from the era when mathematics was freed from its classical origins to develop into its modern form. The subjects, all born between 1700 and 1910, come from a wide range of countries, and all made important contributions to mathematics, through their ideas, their teaching, and their influence. James emphasizes their varied life stories, not the details of their mathematical achievements. The book is organized chronologically into ten chapters, each of which contains biographical sketches of six mathematicians. The men and women James has chosen to portray are representative of the history of mathematics, such that their stories, when read in sequence, convey in human terms something of the way in which mathematics developed. Ioan James is a professor at the Mathematical Institute, University of Oxford. He is the author of Topological Topics (Cambridge, 1983), Fibrewise Topology (Cambridge, 1989), Introduction to Uniform Spaces (Cambridge, 1990), Topological and Uniform Spaces (Springer-Verlag New York, 1999), and co-author with Michael C. Crabb of Fibrewise Homotopy Theory (Springer-Verlag New York, 1998). James is the former editor of the London Mathematical Society Lecture Note Series and volume editor of numerous books. He is the organizer of the Oxford Series of Topology symposia and other conferences, and co-chairman of the Task Force for Mathematical Sciences of Campaign for Oxford.

Ioan James introduces and profiles sixty mathematicians from an era which saw mathematics freed from its classical origins to develop into its modern form. The characters, all born between 1700 and 1910, come from a wide range of countries, and all made an important contribution to mathematics, through their ideas, their teaching, their influence, and so on. The book is organised chronologically into ten chapters, each of which contains potted life stories of six mathematicians. The players James has chosen to portray are sufficiently representative that their stories, when read in sequence, convey in human terms something of the way in which mathematics developed.

"Leonhard Euler and the Bernoullis is a fascinating tale of the Bernoulli family and Euler's association with them. Successful merchants in the 16th and 17th centuries, the Bernoullis were driven out of Antwerp during the persecution of the Huguenots and settled first in Frankfurt, and then in Basel, where one of the most remarkable mathematical dy

An acclaimed biography of the Enlightenment's greatest mathematician This is the first full-scale biography of Leonhard Euler (1707-1783), one of the greatest mathematicians and theoretical physicists of all time. In this comprehensive and authoritative account, Ronald Calinger connects the story of Euler's eventful life to the astonishing achievements that place him in the company of Archimedes, Newton, and Gauss. Drawing on Euler's massive published works and correspondence, this biography sets Euler's work in its multilayered context—personal, intellectual, institutional, political, cultural, religious, and social. It is a story of nearly incessant accomplishment, from Euler's fundamental contributions to almost every area of pure and applied mathematics in his time—especially calculus, mechanics, and optics—to his advances in shipbuilding, telescopes, acoustics, ballistics, cartography, chronology, and music theory.

Recipient of the Mathematical Association of America's Beckenbach Book Prize in 2008! Leonhard Euler was one of the most prolific mathematicians that have ever lived. This book examines the huge scope of mathematical areas explored and developed by Euler, which includes number theory, combinatorics, geometry, complex variables and many more. The information known to Euler over 300 years ago is discussed, and many of his advances are reconstructed. Readers will be left in no doubt about the brilliance and pervasive influence of Euler's work.

How a simple equation reshaped mathematics Leonhard Euler's polyhedron formula describes the structure of many objects—from soccer balls and gemstones to Buckminster Fuller's buildings and giant all-carbon molecules. Yet Euler's theorem is so simple it can be explained to a child. From ancient Greek geometry to today's cutting-edge research, Euler's Gem celebrates the discovery of Euler's beloved polyhedron formula and its far-reaching impact on topology, the study of shapes. Using wonderful examples and numerous illustrations, David Richeson presents this mathematical idea's many elegant and unexpected applications, such as showing why there is always some windless spot on earth, how to measure the acreage of a tree farm by counting trees, and how many crayons are needed to color any map. Filled with a who's who of brilliant mathematicians who questioned, refined, and contributed to a remarkable theorem's development, Euler's Gem will fascinate every mathematics enthusiast. This paperback edition contains a new preface by the author.

The third volume in this sequence of books consists of a collection of contributions that aims to describe the recent progress in nonlinear differential equations and nonlinear dynamical systems (both continuous and discrete). Nonlinear Systems and Their Remarkable Mathematical Structures: Volume 3, Contributions from China just like the first two volumes, consists of contributions by world-leading experts in the subject of nonlinear systems, but in this instance only featuring contributions by leading Chinese scientists who also work in China (in some cases in collaboration with western scientists). Features Clearly illustrate the mathematical theories of nonlinear systems and its progress to both the non-expert and active researchers in this area Suitable for graduate students in Mathematics, Applied Mathematics and some of the Engineering sciences Written in a careful pedagogical manner by those experts who have been involved in the research themselves, and each contribution is reasonably self-contained

In just seven symbols, with profound and beautiful simplicity, Euler's Equation connects five of the most important numbers in mathematics. Robin Wilson explores each number in turn, then brings them together to consider the power of the equation as a whole.

Nonlinear Systems and Their Remarkable Mathematical Structures aims to describe the recent progress in nonlinear differential equations and nonlinear dynamical systems (both continuous and discrete). Written by experts, each chapter is self-contained and aims to clearly illustrate some of the mathematical theories of nonlinear systems. The book should be suitable for some graduate and postgraduate students in mathematics, the natural sciences, and engineering sciences, as well as for researchers (both pure and applied) interested in nonlinear systems. The common theme throughout the book is on solvable and integrable nonlinear systems of equations and methods/theories that can be applied to analyze those systems. Some applications are also discussed. Features Collects contributions on recent advances in the subject of nonlinear systems Aims to make the advanced mathematical methods accessible to the non-expert in this field Written to be accessible to some graduate and postgraduate students in mathematics and applied mathematics Serves as a literature source in nonlinear systems