

## Henri Poincaré A Scientific Biography

Getting the books **henri poincaré a scientific biography** now is not type of challenging means. You could not lonesome going taking into account ebook addition or library or borrowing from your links to right to use them. This is an unquestionably simple means to specifically acquire lead by on-line. This online message henri poincaré a scientific biography can be one of the options to accompany you past having other time.

It will not waste your time. resign yourself to me, the e-book will agreed vent you other situation to read. Just invest tiny grow old to admittance this on-line statement **henri poincaré a scientific biography** as skillfully as review them wherever you are now.

~~A (very) Brief History of Henri Poincaré Lagrange (Documentary - 33 minutes) Top 20 Henri Poincaré Quotes (Author of Science and Hypothesis) Poincaré Conjecture and Ricci Flow | A Million Dollar Problem in Topology Scientist vs. Scientist #6 Paul Dirac and Louis de Broglie Science and Hypothesis by Henri POINCARÉ read by Various | Full Audio Book Creadores de un nuevo saber | Henri Poincaré~~

~~Voyage en Mathématique - Etienne Ghys - Henri Poincaré, un savant universel Henri Poincaré | Wikipedia audio article Science and Hypothesis Full Audiobook by Henri POINCARÉ by Genre(s): \*~~

~~The Poincaré Conjecture (In Our Time) Poincaré Conjecture - Numberphile À propos de la paternité de la relativité - points de vue de Cédric Villani \u0026 Etienne Klein Understand Calculus in 10 Minutes Cédric Villani - 1/7 La théorie synthétique de la courbure de Ricci The Poincaré conjecture | Relativity 21 The problem in Good Will Hunting - Numberphile A (very) Brief History of the Bernoulli Family Ricci Flow - Numberphile P vs. NP and the Computational Complexity Zoo~~

~~La Conjetura de Poincaré Science and Hypothesis (FULL Audiobook) Last Thoughts, by Henri Poincaré The Revolutionary Science of Relativity: History, Science, Adventure, Biography (2004) nexus trimester - Cédric Villani (Université de Lyon / Institut Henri Poincaré) Henri Poincaré What Connects Einstein and Picasso? - The Art of Science Series - Episode 1 Gray Jeremy \"Poincaré on understanding mathematics\" Richard Hamilton | The Poincaré Conjecture | 2006 Henri Poincaré A Scientific Biography~~

Buy Henri Poincaré: A Scientific Biography by Gray, Jeremy (ISBN: 9780691152714) from Amazon's Book Store. Everyday low prices and free delivery on eligible orders.

**Henri Poincaré: A Scientific Biography: Amazon.co.uk: Gray ...**

Language. English. xiii, 592 pages : 24 cm. "Henri Poincaré (1854-1912) was not just one of the most

## Read Free Henri Poincaré A Scientific Biography

inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later. The first in-depth and comprehensive look at his many accomplishments, Henri Poincaré explores all the fields that Poincaré touched, the ...

### **Henri Poincaré : a scientific biography : Gray, Jeremy ...**

A Scientific Biography. DOI: Henri Poincaré (1854-1912) was not just one of the most inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later. The first in-depth and comprehensive look at his many accomplishments, Henri Poincaré explores all the fields that Poincaré touched, the debates sparked by his ...

### **Henri Poincaré - A Scientific Biography | Princeton ...**

Jules Henri Poincaré (UK: / ˈ p w æ k ɑːr er / [US: stress final syllable], French: [ɑ̃ ʁi pwɛ kaʁe] ()); 29 April 1854 - 17 July 1912) was a French mathematician, theoretical physicist, engineer, and philosopher of science. He is often described as a polymath, and in mathematics as "The Last Universalist", since he excelled in all fields of the discipline as it existed during his ...

### **Henri Poincaré - Wikipedia**

Henri Poincaré (1854-1912) was not just one of the most inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century. A comprehensive look at the mathematics, physics, and philosophy of Henri Poincaré .

### **Henri Poincaré : A Scientific Biography by Jeremy Gray**

Henri Poincaré, in full Jules Henri Poincaré, (born April 29, 1854, Nancy, France--died July 17, 1912, Paris), French mathematician, one of the greatest mathematicians and mathematical physicists at the end of 19th century. He made a series of profound innovations in geometry, the theory of differential equations, electromagnetism, topology, and the philosophy of mathematics.

### **Henri Poincaré | French mathematician | Britannica**

Poincaré was a scientist preoccupied by many aspects of mathematics, physics and philosophy, and he is often described as the last universalist in mathematics. He made contributions to numerous branches of mathematics, celestial mechanics, fluid mechanics, the special theory of relativity and the philosophy

## Read Free Henri Poincaré A Scientific Biography

of science.

### **Henri Poincaré (1854 - 1912) - Biography - MacTutor ...**

Henri Poincaré: A Scientific Biography is a welcome addition to the historiography of science. We have our biographies of political figures, activists, and literati but there is less material on scientists. This book makes a contribution by examining the life of an important scientist. Poincaré was of course more than a scientist.

### **Henri Poincaré: A Scientific Biography. - Free Online Library**

A Scientific Biography Jeremy Gray Princeton University Press, 2013 248 pp., US\$16.55 ISBN-13: 978-0691151007 I think I can say, without fear of contradiction, that it takes a brave mathematician to write a scientific biography of Poincaré.

### **Henri Poincaré. A Scientific Biography**

Henri Poincaré (1854-1912) was not just one of the most inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later.

### **Henri Poincaré: A Scientific Biography: Gray, Jeremy ...**

Details Subject(s) Poincaré, Henri, 1854-1912; Scientists - France - Biography; Related name. ebrary, Inc; Summary note "Henri Poincaré (1854-1912) was not just one of the most inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays ...

### **Henri Poincaré [electronic resource] : a scientific ...**

Henri Poincaré : a scientific biography. [Jeremy Gray] -- "Henri Poincaré (1854-1912) was not just one of the most inventive, versatile, and productive mathematicians of all time--he was also a leading physicist who almost won a Nobel Prize for physics and ...

### **Henri Poincaré : a scientific biography (eBook, 2013 ...**

Henri Poincaré: A Scientific Biography. By Jeremy Gray. Princeton University Press, 616pp, £24.95. ISBN 97806911514. Published 5 November 2012

### **Henri Poincaré: A Scientific Biography by Jeremy Gray ...**

## Read Free Henri Poincaré A Scientific Biography

Henri Poincaré: a biography through the daily papers, by Jean-Marc Ginoux and Christian Gerini. World Scientific, 2014. 238p bibl indexes ISBN 9789814556613, \$29.00 View full-text

### **(PDF) Henri Poincaré: a scientific biography**

Henri Poincaré (1854–1912) was not just one of the most inventive, versatile, and productive mathematicians of all time—he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later.

### **Henri Poincaré | Princeton University Press**

A comprehensive look at the mathematics, physics, and philosophy of Henri PoincaréHenri Poincaré (1854–1912) was not just one of the most inventive, versatile, and productive mathematicians of all time—he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later.

### **Henri Poincaré: A Scientific Biography - Jeremy Gray ...**

Henri Poincaré: a scientific biography. Princeton University Press 2012. Hidden Harmony - Geometric Fantasies. The Rise of Complex Function Theory (with Umberto Bottazzini).

Henri Poincaré (1854–1912) was not just one of the most inventive, versatile, and productive mathematicians of all time—he was also a leading physicist who almost won a Nobel Prize for physics and a prominent philosopher of science whose fresh and surprising essays are still in print a century later. The first in-depth and comprehensive look at his many accomplishments, Henri Poincaré explores all the fields that Poincaré touched, the debates sparked by his original investigations, and how his discoveries still contribute to society today. Math historian Jeremy Gray shows that Poincaré's influence was wide-ranging and permanent. His novel interpretation of non-Euclidean geometry challenged contemporary ideas about space, stirred heated discussion, and led to flourishing research. His work in topology began the modern study of the subject, recently highlighted by the successful resolution of the famous Poincaré conjecture. And Poincaré's reformulation of celestial mechanics and discovery of chaotic motion started the modern theory of dynamical systems. In physics, his insights on the Lorentz group preceded Einstein's, and he was the first to indicate that space and time might be fundamentally atomic. Poincaré the public intellectual did not shy away from scientific controversy, and he defended mathematics against the attacks of logicians such as Bertrand Russell, opposed the views of Catholic

## Read Free Henri Poincaré A Scientific Biography

apologists, and served as an expert witness in probability for the notorious Dreyfus case that polarized France. Richly informed by letters and documents, Henri Poincaré demonstrates how one man's work revolutionized math, science, and the greater world.

The book describes the life of Henri Poincaré, his work style and in detail most of his unique achievements in mathematics and physics. Apart from biographical details, attention is given to Poincaré's contributions to automorphic functions, differential equations and dynamical systems, celestial mechanics, mathematical physics in particular the theory of the electron and relativity, topology (analysis situs). A chapter on philosophy explains Poincaré's conventionalism in mathematics and his view of conventionalism in physics; the latter has a very different character. In the foundations of mathematics his position is between intuitionism and axiomatics. One of the purposes of the book is to show how Poincaré reached his fundamentally new results in many different fields, how he thought and how one should read him. One of the new aspects is the description of two large fields of his attention: dynamical systems as presented in his book on 'new methods for celestial mechanics' and his theoretical physics papers. At the same time it will be made clear how analysis and geometry are intertwined in Poincaré's thinking and work. In dynamical systems this becomes clear in his description of invariant manifolds, his association of differential equation flow with mappings and his fixed points theory. There is no comparable book on Poincaré, presenting such a relatively complete vision of his life and achievements. There exist some older biographies in the French language, but they pay only restricted attention to his actual work. The reader can obtain from this book many insights in the working of a very original mind while at the same time learning about fundamental results for modern science

Plato's Ghost is the first book to examine the development of mathematics from 1880 to 1920 as a modernist transformation similar to those in art, literature, and music. Jeremy Gray traces the growth of mathematical modernism from its roots in problem solving and theory to its interactions with physics, philosophy, theology, psychology, and ideas about real and artificial languages. He shows how mathematics was popularized, and explains how mathematical modernism not only gave expression to the work of mathematicians and the professional image they sought to create for themselves, but how modernism also introduced deeper and ultimately unanswerable questions. Plato's Ghost evokes Yeats's

## Read Free Henri Poincaré A Scientific Biography

lament that any claim to worldly perfection inevitably is proven wrong by the philosopher's ghost; Gray demonstrates how modernist mathematicians believed they had advanced further than anyone before them, only to make more profound mistakes. He tells for the first time the story of these ambitious and brilliant mathematicians, including Richard Dedekind, Henri Lebesgue, Henri Poincaré, and many others. He describes the lively debates surrounding novel objects, definitions, and proofs in mathematics arising from the use of naïve set theory and the revived axiomatic method--debates that spilled over into contemporary arguments in philosophy and the sciences and drove an upsurge of popular writing on mathematics. And he looks at mathematics after World War I, including the foundational crisis and mathematical Platonism. *Plato's Ghost* is essential reading for mathematicians and historians, and will appeal to anyone interested in the development of modern mathematics.

On July 17, 2012, the centenary of Henri Poincaré's death was commemorated; his name being associated with so many fields of knowledge that he was considered as the Last Universalist. In Pure and Applied Mathematics, Physics, Astronomy, Engineering and Philosophy, his works have had a great impact all over the world. Poincaré acquired in his lifetime such a reputation that, both nationally and internationally, his life and career were made the object of various articles in the daily papers not only in France, but also in the USA. Some of his philosophical concepts have even caused sharp controversies in the Press (as we will discover in this book). This work presents an original portrait of Henri Poincaré based on various press cuttings from *The New York Times*, *The San Francisco Sunday Call*, *The Times*, *The Sun*, *The Washington Post* that chronicled unknown anecdotes of his life (for example, his first name was actually not Henri, but Henry; he obtained his high school diploma in sciences with a zero in mathematics, etc.). Such an approach enables the discovering of many forgotten or unknown aspects of his scientific and philosophical works as well as his important role in the public sphere. Contents: The Early Years: The Poincaré Family Childhood and Studies Inspector of Mines in Vesoul The Professor and the Savant: From the University of Caen to the Sorbonne From the Sorbonne to the Académie The Prize of King Oscar II of Sweden and Norway The Universal Thinker and the Public Figure: French Geodesy and the Fight Over the Meridian The Controversy Over the Rotation of the Earth The Philosophical Work and Its Impact The Committed Man: The Dreyfus Affair The Role Model – The Immortal Last Commitments, Last Works Readership: Scientists and historians of science. Keywords: Scientific Biography; Henri Poincaré © Key Features: A biography through the daily papers which has been facilitated by the online newspaper archives provides, for the first time, an original portrait of Henri Poincaré Reviews: “The full review in chapter 9 gives an excellent description of Poincaré's interpretation of non-Euclidean geometry and

## Read Free Henri Poincaré A Scientific Biography

his wider views on mathematics, and it would make very informative reading for contemporary students of this subject. I very much enjoyed reading this book, it portrays many lesser-known aspects of Poincaré's life and work; and it is richly illustrated with facsimiles from a variety of unusual sources."

Mathematical Association of America "This book is a welcome addition to the many biographies of Poincaré that exist already. It sheds a light on Poincaré from a different perspective that we do not find elsewhere." European Mathematical Society "Ginoux and Gerini have inspired this reviewer to further explore Poincaré's writings for the lay public." CHOICE "The presentation of his involvement in Ernst Mach's thinking and the Earth's rotation is the high point of this small book." CERN Courier

A detailed account of the life and work of an influential theoretical physicist.

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.

Gösta Mittag-Leffler (1846-1927) played a significant role as both a scientist and entrepreneur. Regarded as the father of Swedish mathematics, his influence extended far beyond his chosen field because of his extensive network of international contacts in science, business, and the arts. He was instrumental in seeing to it that Marie Curie was awarded the Nobel Prize twice. One of Mittag-Leffler's major accomplishments was the founding of the journal *Acta Mathematica*, published by Institut Mittag-Leffler and Sweden's Royal Academy of Sciences. Arild Stubhaug's research for this monumental biography relied on a wealth of primary and secondary resources, including more than 30000 letters that are part of the Mittag-Leffler archives. Written in a lucid and compelling manner, the biography contains many hitherto unknown facts about Mittag-Leffler's personal life and professional endeavors. It will be of great interest to both mathematicians and general readers interested in science and culture.

# Read Free Henri Poincaré A Scientific Biography

Copyright code : e74800c729fb140db691d2afb26af487