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codebreaking and the computer revolution

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# Alan Turing The Enigma Andrew Hodges Moritzore

**S. Barry Cooper, Andrew Hodges**



## **Alan Turing The Enigma Andrew Hodges Moritzore:**

*Alan Turing: The Enigma* Andrew Hodges, 2014-11-10 A NEW YORK TIMES BESTSELLER The official book behind the Academy Award winning film *The Imitation Game* starring Benedict Cumberbatch and Keira Knightley It is only a slight exaggeration to say that the British mathematician Alan Turing 1912 1954 saved the Allies from the Nazis invented the computer and artificial intelligence and anticipated gay liberation by decades all before his suicide at age forty one This New York Times bestselling biography of the founder of computer science with a new preface by the author that addresses Turing's royal pardon in 2013 is the definitive account of an extraordinary mind and life Capturing both the inner and outer drama of Turing's life Andrew Hodges tells how Turing's revolutionary idea of 1936 the concept of a universal machine laid the foundation for the modern computer and how Turing brought the idea to practical realization in 1945 with his electronic design The book also tells how this work was directly related to Turing's leading role in breaking the German Enigma ciphers during World War II a scientific triumph that was critical to Allied victory in the Atlantic At the same time this is the tragic account of a man who despite his wartime service was eventually arrested stripped of his security clearance and forced to undergo a humiliating treatment program all for trying to live honestly in a society that defined homosexuality as a crime The inspiration for a major motion picture starring Benedict Cumberbatch and Keira Knightley *Alan Turing The Enigma* is a gripping story of mathematics computers cryptography and homosexual persecution **Alan Turing** Andrew Hodges, 1983 Cited in Books for College Libraries 3d ed Hodges mathematics Wadham College Oxford examines both the heroic and tragic sides of Turing's life from his decryption of the German U boat Enigma cipher to his tragic suicide caused in part by his detection as a homosexual and subsequent mandatory hormone therapy to suppress his libido Annotation copyrighted by Book News Inc Portland OR **Alan Turing** Andrew Hodges, 2014-11-19 The official book behind the film *The Imitation Game* this is a dramatic portrayal of the life and work of Alan Turing one of Britain's most extraordinary unsung heroes and one of the world's greatest innovators This is the official story that has inspired the British film *The Imitation Game* a nail biting race against time following Alan Turing the pioneer of modern day computing and credited with cracking the German Enigma code and his brilliant team at Britain's top secret code breaking centre Bletchley Park during the darkest days of World War II Turing whose contributions and genius significantly shortened the war saving thousands of lives was the eventual victim of an unenlightened British establishment but his work and legacy live on Prime Minister Gordon Brown released a statement of apology in 2009 on behalf of the British government for the appalling treatment of Turing Alan Turing. Enigma Andrew Hodges, 1989 **Alan Turing** Andrew Hodges, Douglas R. Hofstadter, 2012 It is only a slight exaggeration to say that the British mathematician Alan Turing 1912 1954 saved the Allies from the Nazis invented the computer and artificial intelligence and anticipated gay liberation by decades all before his suicide at age forty one This New York Times bestselling biography of the founder of computer science with a new preface by the author that addresses Turing

s royal pardon in 2013 is the definitive account of an extraordinary mind and life Amazon.com **Alan Turing**, 2010

**Alan Turing** Andrew Hodges, 1985 **Alan Turing: Enigma** Anna Revell, 2017-08-10 Alan Turing Enigma The Incredible True Story of the Man Who Cracked The Code If you have ever used a computer you owe that joy to Alan Turing Turing is known by many as the Father of the Modern Computer for his conception of the theoretical stored memory machine known as the Turing Machine and for the subsequent implementation of this idea in the creation of some of the world's first working computers the Automatic Computing Engine and the Manchester Mark 1 Impressive as they are though Turing's contributions to computer science are not necessarily his most famous or influential projects Alan Turing was one of the most significant figures in the Allied victory of World War Two thanks to his ingenious code breaking skills and the invention of the British Bombe at Bletchley Park In his later life Turing even dabbled in artificial intelligence and biology creating concepts that are still being investigated today Until recently Alan Turing had often been overlooked as an important figure in history Thanks to in depth biographies like Andrew Hodges Alan Turing The Enigma and film depictions of Turing's life like The Imitation Game based on Hodges book Alan Turing is quickly becoming a household name as people begin to recognize that his contributions to various fields were so influential they actually changed the course of human history Alan Turing Andrew Hodges, Douglas Hofstadter, 2012 It is only a slight exaggeration to say that the British mathematician Alan Turing 1912-1954 saved the Allies from the Nazis invented the computer and artificial intelligence and anticipated gay liberation by decades all before his suicide at age forty one This classic biography of the founder of computer science reissued on the centenary of his birth with a substantial new preface by the author is the definitive account of an extraordinary mind and life A gripping story of mathematics computers cryptography and homosexual persecution Andrew Hodges's acclaimed book captures both the inner and outer drama of Turing's life Hodges tells how Turing's revolutionary idea of 1936 the concept of a universal machine laid the foundation for the modern computer and how Turing brought the idea to practical realization in 1945 with his electronic design The book also tells how this work was directly related to Turing's leading role in breaking the German Enigma ciphers during World War II a scientific triumph that was critical to Allied victory in the Atlantic At the same time this is the tragic story of a man who despite his wartime service was eventually arrested stripped of his security clearance and forced to undergo a humiliating treatment program all for trying to live honestly in a society that defined homosexuality as a crime **The Once and Future Turing** S. Barry Cooper, Andrew Hodges, 2016-03-24 Original essays by world leading researchers reveal Alan Turing's lasting contributions to modern research *The Alan Turing* Andrew Hodges, 2014 This film tie in tells the true story behind the nail biting race against time following Alan Turing pioneer of modern day computing and credited with cracking the German Enigma code and his brilliant team at Britain's top secret code breaking centre Bletchley Park during the darkest days of World War II Turing whose contributions and genius significantly shortened the war saving thousands of lives was the eventual victim of an unenlightened British establishment

but his work and legacy live on In 1954 aged 41 Alan Turing committed suicide and one of Britain's greatest scientific minds was lost *Alan Turing* Dr Andrew Hodges, 2015-02 Japanese edition of Alan Turing The Enigma The Book That Inspired the Film The Imitation Game British mathematician Alan Turing is history's greatest cryptanalyst and father of computer science who broke the impossible Enigma code but his was a life also demonized for his homosexuality Major Oscar winning motion picture Imitation Game In Japanese Annotation copyright Tsai Fong Books Inc Distributed by Tsai Fong Books Inc **The Great Philosophers: Turing** Andrew Hodges, 2011-09-14 Alan Turing's 1936 paper On Computable Numbers introducing the Turing machine was a landmark of twentieth century thought It settled a deep problem in the foundations of mathematics and provided the principle of the post war electronic computer It also supplied a new approach to the philosophy of the mind Influenced by his crucial codebreaking work in the Second World War and by practical pioneering of the first electronic computers Turing argued that all the operations of the mind could be performed by computers His thesis made famous by the wit and drama of the Turing Test is the cornerstone of modern Artificial Intelligence Here Andrew Hodges gives a fresh and critical analysis of Turing's developing thought relating it to his extraordinary life and also to the more recent ideas of Roger Penrose **Alan Turing** David E. Newton, 2003-07-08 Alan Turing ranks as one of the most brilliant of twentieth century mathematicians He is perhaps best known as one of the founding fathers of two fields of mathematics with enormous implications in the modern world computer science and artificial intelligence In addition Turing's work in decoding the German spy machine known as the Enigma was arguably one of the most important accomplishments in bringing World War II to a successful conclusion for the United States Great Britain and their Allies *Turing* Andrew Hodges, 1999 **The Imitation Game** Jim Ottaviani, 2016-03-22 A New York Times Bestseller Selected as a 2017 ALA YALSA Great Graphic Novel for Teens Nonfiction Award winning authors Jim Ottaviani and Leland Purvis present a historically accurate graphic novel biography of English mathematician and scientist Alan Turing in The Imitation Game English mathematician and scientist Alan Turing 1912 1954 is credited with many of the foundational principles of contemporary computer science The Imitation Game presents a historically accurate graphic novel biography of Turing's life including his groundbreaking work on the fundamentals of cryptography and artificial intelligence His code breaking efforts led to the cracking of the German Enigma during World War II work that saved countless lives and accelerated the Allied defeat of the Nazis While Turing's achievements remain relevant decades after his death the story of his life in post war Europe continues to fascinate audiences today Award winning duo Jim Ottaviani the 1 New York Times bestselling author of Feynman and Primates and artist Leland Purvis an Eisner and Ignatz Award nominee and occasional reviewer for the Comics Journal present a factually detailed account of Turing's life and groundbreaking research as an unconventional genius who was arrested tried convicted and punished for being openly gay and whose innovative work still fuels the computing and communication systems that define our modern world Computer science buffs comics fans and history aficionados will be captivated by this riveting and

tragic story of one of the 20th century's most unsung heroes

### **Alan Turing: Life and Legacy of a Great Thinker**

Christof Teuscher, 2013-06-29 Alan Turing's fundamental contributions to computing led to the development of modern computing technology and his work continues to inspire researchers in computing science and beyond. This book is the definitive collection of commemorative essays and the distinguished contributors have expertise in such diverse fields as artificial intelligence, natural computing, mathematics, physics, cryptology, cognitive studies, philosophy, and anthropology. The volume spans the entire rich spectrum of Turing's life, research work, and legacy. New light is shed on the future of computing science by visionary Ray Kurzweil. Notable contributions come from the philosopher Daniel Dennett, the Turing biographer Andrew Hodges, and the distinguished logician Martin Davis, who provides a first critical essay on an emerging and controversial field termed hypercomputation. A special feature of the book is the play by Valeria Patera, which tackles the scandal surrounding the last apple and presents as an enigma the life, death, and destiny of the man who did so much to decipher the Enigma code during the Second World War. Other chapters are modern reappraisals of Turing's work on computability and deal with the major philosophical questions raised by the Turing Test, while the book also contains essays addressing his less well-known ideas on Fibonacci phyllotaxis and connectionism.

### **Breaking the Code**

Hugh Whitmore, 1987 Drama 7m 2f Unit set Derek Jacobi took London and Broadway by storm in this exceptional biographical drama about a man who broke too many codes: the eccentric genius Alan Turing, who played a major role in winning the World War II, he broke the complex German code called Enigma, enabling allied forces to foresee German maneuvers. Since his work was classified top secret for years after the war, no one knew how much was owed to him when he was put on trial for breaking another code, the taboo against homosexuality. Turing, who was also the first to conceive of computers, was convicted of the criminal act of homosexuality and sentenced to undergo hormone treatments, which left him physically and mentally debilitated. He died a suicide, forgotten and alone. This play is about who he was, what happened to him, and why. Powerful, riveting drama. N.Y. Daily News: Elegant and poignant. Time Magazine: The most important serious play of the season. Christian Science Monitor.

**Alan Turing** Laurent Lemire, 2012-09-27 Pomme croqu e et arc en ciel du drapeau gay le c l bre constructeur d ordinateurs Apple rend un hommage crypt au math maticien Alan Turing qui fut l un des plus grands esprits du XXe si cle. Jeune tudiant Cambridge dans les ann es 1930 Turing se distingue en publiant des travaux th oriques qui posent les fondations des recherches en intelligence artificielle. Il c toie alors les plus grands math maticiens de l entre deux guerres. En 1936 Princeton aux tats Unis il a l id e de concevoir un ordinateur. La Seconde Guerre mondiale lui permet d appliquer ses th ories. Engag par les services secrets britanniques Turing parvient percer le secret de la machine Enigma qui permettait aux nazis de coder leurs messages et contribue ainsi la victoire des Alli s. Mais ce h ros discret sera contraint de demeurer dans l ombre. Condamn d abord au secret pour ses recherches Alan Turing le sera ensuite pour son homosexualit dans une Grande Bretagne de l apr s guerre o l homosexualit est un crime. Oscar Wilde en avait fait les frais cinquante ans

plus t t D sormais cart de tous les grands projets scientifiques Turing est effectivement condamné en 1952 la castration chimique Ne supportant pas les effets des traitements hormonaux il met fin ses jours le soir du 7 juin 1954 cet trange surdou inconditionnel du Blanche Neige de Walt Disney croque dans une pomme impr gn e de cyanure partir de d archives conserv es Cambridge et d enqu tes dans les milieux de l informatique Laurent Lemire conte l histoire stup fiante d un g nie victime de la cruaut et de l intol rance de son temps      **Alan Turing Home Page** , Features a collection of resources pertaining to pioneering British computer scientist Alan Turing 1912 1954 Posts a chronology of Turing s life a brief biography photos facts and a directory of related online resources Offers information on Turing s family origins and childhood the Turing Machine his codebreaking work in World War II the Turing Test the emergence and failure of his electronic computer plan and his death Provides access to the site s mirror URL in Chicago and to the WWW Virtual Museum of Computing home page

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