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ALAN TURING: THE ENIGMA

THE BOOK THAT INSPIRED THE FILM
THE IMITATION GAME

VINTAGE

Alan Turing The Enigma Andrew Hodges

Andrew Hodges



Alan Turing The Enigma Andrew Hodges:

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 A gripping story of mathematics science computing war history cryptography and homosexual persecution and liberation Hodges tells how Turing's revolutionary idea of 1936 the concept of a universal machine laid the foundation for the modern computer Turing brought the idea to practical realization in 1945 with his electronic design 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 Despite his wartime service Turing 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 This New York Times bestselling biography of the founder of computer science and artificial intelligence is the definitive account of an extraordinary mind and life Excerpted from 2014 version published by Princeton University Press

Alan Turing: The Enigma Andrew Hodges, 2014-11-19 The official book behind the Academy Award winning film *The Imitation Game* starring Benedict Cumberbatch and Keira Knightley Alan Turing was the mathematician whose cipher cracking transformed the Second World War Taken on by British Intelligence in 1938 as a shy young Cambridge don he combined brilliant logic with a flair for engineering In 1940 his machines were breaking the Enigma enciphered messages of Nazi Germany's air force He then headed the penetration of the super secure U boat communications But his vision went far beyond this achievement Before the war he had invented the concept of the universal machine and in 1945 he turned this into the first design for a digital computer Turing's far sighted plans for the digital era forged ahead into a vision for Artificial

Intelligence However in 1952 his homosexuality rendered him a criminal and he was subjected to humiliating treatment In 1954 aged 41 Alan Turing took his own life **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,1983 **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 **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,1989 *The Once and*

Future Turing S. Barry Cooper, Andrew Hodges, 2016-03-24 Alan Turing 1912 1954 made seminal contributions to mathematical logic computation computer science artificial intelligence cryptography and theoretical biology In this volume outstanding scientific thinkers take a fresh look at the great range of Turing's contributions on how the subjects have developed since his time and how they might develop still further The contributors include Martin Davis J M E Hyland Andrew R Booker Ueli Maurer Kanti V Mardia S Barry Cooper Stephen Wolfram Christof Teuscher Douglas Richard Hofstadter Philip K Maini Thomas E Woolley Eamonn A Gaffney Ruth E Baker Richard Gordon Stuart Kauffman Scott Aaronson Solomon Feferman P D Welch and Roger Penrose These specially commissioned essays will provoke and engross the reader who wishes to understand better the lasting significance of one of the twentieth century's deepest thinkers

Correspondence Between Alex D. Fowler and Andrew Hodges Alex D. Fowler, Andrew Hodges, 1979 Correspondence between Andrew Hodges author of *Alan Turing the Enigma* and Alex D Fowler who was employed at Bell Labs where Alan Turing spent two months in 1943 **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 Turing Guide** Jack Copeland, Jonathan Bowen, Mark Sprevak, Robin Wilson, 2017-02-16 Alan Turing has long proved a subject of fascination but following the centenary of his birth in 2012 the code breaker computer pioneer mathematician and much more has become even more celebrated with much media coverage and several meetings conferences and books raising public awareness of Turing's life and work This volume will bring together contributions from some of the leading experts on Alan Turing to create a comprehensive guide to Turing that will serve as a useful resource for researchers in the area as well as the increasingly interested general reader The book will cover aspects of Turing's life and the wide range of his intellectual activities including mathematics code breaking computer science logic artificial intelligence and mathematical biology as well as his subsequent influence **The Myth of Artificial Intelligence** Erik J.

Larson, 2021-04-06 Exposes the vast gap between the actual science underlying AI and the dramatic claims being made for it John Horgan If you want to know about AI read this book It shows how a supposedly futuristic reverence for Artificial Intelligence retards progress when it denigrates our most irreplaceable resource for any future progress our own human intelligence Peter Thiel Ever since Alan Turing AI enthusiasts have equated artificial intelligence with human intelligence A computer scientist working at the forefront of natural language processing Erik Larson takes us on a tour of the landscape of AI to reveal why this is a profound mistake AI works on inductive reasoning crunching data sets to predict outcomes But humans don't correlate data sets We make conjectures informed by context and experience And we haven't a clue how to program that kind of intuitive reasoning which lies at the heart of common sense Futurists insist AI will soon eclipse the

capacities of the most gifted mind but Larson shows how far we are from superintelligence and what it would take to get there Larson worries that we're making two mistakes at once defining human intelligence down while overestimating what AI is likely to achieve Another concern is learned passivity our tendency to assume that AI will solve problems and our failure as a result to cultivate human ingenuity David A Shaywitz Wall Street Journal A convincing case that artificial general intelligence machine based intelligence that matches our own is beyond the capacity of algorithmic machine learning because there is a mismatch between how humans and machines know what they know Sue Halpern New York Review of Books

Artificially Intelligent David Eliot, 2025-10-21 The story of AI isn't finished yet The question is how will you be part of it With the unprecedented adoption of artificial intelligence and its far reaching implications people everywhere are witnessing the world change around them Artificially Intelligent answers today's most pressing questions about AI from the fundamental to the futuristic offering readers a new informed worldview In an age of unparalleled innovation and change artificial intelligence has become the heart of our fears discussions and debates Thus AI researcher and award winner David Eliot takes readers on a journey through the key moments and decisions that have shaped its creation and our world A socially driven history the book explores its technical breakthroughs and the social forces that made them possible But this book isn't just about the past it's about you Artificially Intelligent invites readers to find their place in the story of AI to understand its impact on their lives and to decide what kind of future they want to help create Artificially Intelligent tells the story of the technology the way it was meant to be told not as an exhaustive retelling of history nor as a prophecy of doom and gloom but as a human story that is not yet complete

A Biography of the Pixel Alvy Ray Smith, 2021-08-03 The pixel as the organizing principle of all pictures from cave paintings to Toy Story The Great Digital Convergence of all media types into one universal digital medium occurred with little fanfare at the recent turn of the millennium The bit became the universal medium and the pixel a particular packaging of bits conquered the world Henceforward nearly every picture in the world would be composed of pixels cell phone pictures app interfaces Mars Rover transmissions book illustrations videogames In *A Biography of the Pixel* Pixar cofounder Alvy Ray Smith argues that the pixel is the organizing principle of most modern media and he presents a few simple but profound ideas that unify the dazzling varieties of digital image making Smith's story of the pixel's development begins with Fourier waves proceeds through Turing machines and ends with the first digital movies from Pixar DreamWorks and Blue Sky Today almost all the pictures we encounter are digital mediated by the pixel and irretrievably separated from their media museums and kindergartens are two of the last outposts of the analog Smith explains engagingly and accessibly how pictures composed of invisible stuff become visible that is how digital pixels convert to analog display elements Taking the special case of digital movies to represent all of Digital Light his term for pictures constructed of pixels and drawing on his decades of work in the field Smith approaches his subject from multiple angles art technology entertainment business and history *A Biography of the Pixel* is essential reading for anyone who has watched a

video on a cell phone played a videogame or seen a movie 400 pages of annotations prepared by the author and available online provide an invaluable resource for readers

Simply Turing Michael Olinick, 2021-01-03 Michael Olinick has written a vibrant and absorbing biography of Alan Turing Turing's work as a cryptographer during WW II and his pioneering development of the digital computer helped us win that war and make our technology driven world of today possible all this against the backdrop of the homophobic world Turing tried to navigate Joseph Malkevitch Professor of Mathematics at York College CUNY and CUNY Graduate Center Alan Turing 1912 1954 was born in London and showed signs of genius from a very young age Turing was just 24 when he devised the theory that led to the development of modern computers and he went on to achieve major breakthroughs in probability number theory cryptology and mathematical biology His codebreaking efforts during World War II allowed the British to decipher secret German communications effectively shortening the war and saving millions of lives Yet instead of being celebrated for his accomplishments Turing was prosecuted for being a homosexual and was forced to undergo hormone treatments designed to reduce his sexual drive Turing died of cyanide poisoning in 1954 at the age of 41 a tragic end to a brilliant life and an event that remains mysterious to this day In *Simply Turing* Professor Michael Olinick recounts the life and work of a man who along with Newton and Darwin is considered one of the three most influential British scientists of all time Prof Olinick provides an accessible explanation of Turing's monumental achievements while introducing us to the friends colleagues and rivals who shared his life and exploring the controversy surrounding his death For anyone interested in the beginnings of our computer defined age or anyone who wants a better understanding of why LGBTQ rights are so important *Simply Turing* is an indispensable and fascinating introduction to a man who was both ahead of his time and a tragic victim of it

Prologue, 1996 *The Hidden History of Bletchley Park* C. Smith, 2015-08-26 This book is a hidden history of Bletchley Park during the Second World War which explores the agency from a social and gendered perspective It examines themes such as the experience of wartime staff members the town in which the agency was situated and the cultural influences on the wartime evolution of the agency

Alan Turing The Enigma Andrew Hodges: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of bestselling books, exploring the captivating narratives that have enthralled audiences this year. Alan Turing The Enigma Andrew Hodges : Colleen Hoover "It Ends with Us" This poignant tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover skillfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens spins a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Pappen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and gripping novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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