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# The Three Body Problem 1 Liu Cixin

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A Novel Tor Books

Scott Warden is a man haunted by the past--and soon to be haunted by the future. In early-twenty-first-century Thailand, Scott is an

expatriate slacker. Then, one day, he inadvertently witnesses an impossible event: the violent appearance of a 200-foot stone pillar in the forested interior. Its arrival collapses trees for a quarter mile around its base, freezing ice out of the air and emitting a burst of ionizing radiation. It appears to be composed of an exotic form of matter. And the inscription chiseled into it commemorates a military victory--sixteen years in the future. Shortly afterwards,

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another, larger pillar arrives in the center of Bangkok--obliterating the city and killing thousands. Over the next several years, human society is transformed by these mysterious arrivals from, seemingly, our own near future. Who is the warlord "Kuin" whose victories they note? Scott wants only to rebuild his life. But some strange loop of causality keeps drawing him in, to the central mystery and a final battle with the future. The Chronoliths by Robert Charles Wilson is a 2002 Hugo Award Nominee for Best Novel and the winner of the 2002 John W. Campbell Memorial Award. At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

*The Wall of Storms*  
Orbit

How would Rick fulfill the prophecy that linked his name with the destiny of a dying world?

Boys Don't Knit (In Public)  
Macmillan  
Move from carb confusion to carb confidence!

Overwhelmed by the avalanche of information out there about diets and health? Tired of spending time and money following complicated and expensive plans and protocols that don't deliver the results you want? Would a strict ketogenic diet be best for you? But what if you can't imagine life without fruit or bread? Why won't someone just make all this diet stuff simple? They have! Eric Westman, MD, has over twenty years of experience as an internal medicine doctor and obesity medicine specialist. He's helped patients at his Keto Medicine Clinic at Duke University lose over 26,000 pounds and reverse conditions like type 2 diabetes, PCOS, high blood pressure, and more. In *End Your Carb Confusion*, he shares his time-tested and science-backed strategy with YOU! If you've spent years doing "all the right things" but you're still

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dealing with excess weight, diabetes, heartburn, joint pain, fatigue, skin problems, or other issues, End Your Carb Confusion is the GPS you need to help you navigate your way from frustrated and disappointed to empowered and successful. Find the level of carbohydrate intake that 's right for you now, and then learn how to switch gears to a higher- or lower-carb diet when the time is right. Dr. Westman gives you the information you need to start reclaiming your health today—no complicated and confusing scientific gobbledygook, only exactly what you need to understand how you got to where you are (hint—it 's not your fault!) and, more important, how to get to where you want to be. You shouldn ' t need a PhD, a private chef, and a million dollars to lose weight and get healthy. The simple, straightforward plan laid out in End Your Carb

Confusion fits into any lifestyle, whether you shop at an organic co-op or a discount chain and will help you reach your goals whether you prefer gourmet meals or fast food. No matter where you ' re starting from, End Your Carb Confusion can lead you to your destination—a renewed body, mind, and spirit.

*The Grace of Kings* Tor Books  
Recent research on the theory of perturbations, the analytical approach and the quantitative analysis of the three-body problem have reached a high degree of perfection. The use of electronics has aided developments in quantitative analysis and has helped to disclose the extreme complexity of the set of solutions. This accelerated progress has given new orientation and impetus to the qualitative analysis that is so complementary to the quantitative analysis. The book begins with the various formulations of the three-body problem, the main classical

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results and the important questions and conjectures involved in this subject. The main part of the book describes the remarkable progress achieved in qualitative analysis which has shed new light on the three-body problem. It deals with questions such as escapes, captures, periodic orbits, stability, chaotic motions, Arnold diffusion, etc. The most recent tests of escape have yielded very impressive results and border very close on the true limits of escape, showing the domain of bounded motions to be much smaller than was expected. An entirely new picture of the three-body problem is emerging, and the book reports on this recent progress. The structure of the solutions for the three-body problem lead to a general conjecture governing the picture of solutions for all Hamiltonian problems. The periodic, quasi-periodic and almost-periodic solutions form the basis for the set of solutions and separate the chaotic solutions from the open solutions.

**Devolution** Tor Books  
Soon to be a Netflix Original

Series! “The War of the Worlds for the 21st century... packed with a sense of wonder.” – Wall Street Journal The New York Times bestselling conclusion to a tour de force near-future adventure trilogy from China's bestselling and beloved science fiction writer. With *The Three-Body Problem*, English-speaking readers got their first chance to read China's most beloved science fiction author, Cixin Liu. *The Three-Body Problem* was released to great acclaim including coverage in *The New York Times* and *The Wall Street Journal* and reading list picks by Barack Obama and Mark Zuckerberg. It was also won the Hugo and Nebula Awards, making it the first translated novel to win a major SF award. Now this epic trilogy concludes with *Death's End*. Half a century after the *Doomsday Battle*, the uneasy balance of *Dark Forest* Deterrence keeps the Trisolaran invaders at bay. Earth enjoys unprecedented prosperity due to the infusion

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of Trisolaran knowledge. With human science advancing daily and the Trisolarians adopting Earth culture, it seems that the two civilizations will soon be able to co-exist peacefully as equals without the terrible threat of mutually assured annihilation. But the peace has also made humanity complacent. Cheng Xin, an aerospace engineer from the early twenty-first century, awakens from hibernation in this new age. She brings with her knowledge of a long-forgotten program dating from the beginning of the Trisolar Crisis, and her very presence may upset the delicate balance between two worlds. Will humanity reach for the stars or die in its cradle? The Remembrance of Earth's Past Trilogy

The Three-Body Problem  
The Dark Forest  
Death's End  
Other Books  
Ball Lightning  
Supernova Era  
To Hold Up The Sky  
(forthcoming)

## **The Three-Body Problem**

Speedy Publishing LLC

When an engineer is sentenced to death for a petty transgression of guild law, he flees the city, leaving behind his wife and daughter. Forced into exile, he seeks a terrible vengeance -- one that will leave a trail of death and destruction in its wake. But he will not be able to achieve this by himself. He must draw up his plans using the blood of others... In a compelling tale of intrigue and injustice, K. J. Parker's embittered hero takes up arms against his enemies, using the only weapons he has left to him: his ingenuity and his passion -- his devices and desires.

The Coding Manual for Qualitative Researchers  
Tor Books

In this accessible book, the author demonstrates that school improvement must start with a reconsideration of

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school effects upon the home, and home effects upon the school. The students' school experience must acknowledge the daily influence of the family in the classroom. To ignore this 'hidden link' is to remain ignorant about students' lives and motivations, and makes it very difficult for educators to improve schools and schooling. Based on extensive research, *Parent, Student and Teacher Collaboration* provides invaluable guidance and insight.

### *The Innovation Paradox* Del Rey

Since Schumpeter, economists have argued that vast productivity gains can be achieved by investing in innovation and technological catch-up. Yet, as this volume documents, developing country firms and governments invest little to realize this potential, which dwarfs international

aid flows. Using new data and original analytics, the authors uncover the key to this innovation paradox in the lack of complementary physical and human capital factors, particularly firm managerial capabilities, that are needed to reap the returns to innovation investments. Hence, countries need to rebalance policy away from R and D-centered initiatives †“ which are likely to fail in the absence of sophisticated private sector partners †“ toward building firm capabilities, and embrace an expanded concept of the National Innovation System that incorporates a broader range of market and systemic failures. The authors offer guidance on how to navigate the

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resulting innovation policy dilemma: as the need to redress these additional failures increases with distance from the frontier, government capabilities to formulate and implement the policy mix become weaker. This book is the first volume of the World Bank Productivity Project, which seeks to bring frontier thinking on the measurement and determinants of productivity to global policy makers.

*To Hold Up the Sky*

Penguin

After a brush with the law, Ben, a dyed-in-the-wool worrier, must take up a new hobby and chooses knitting, an activity at which he excels but must try to keep secret from his friends, enemies, and sports-obsessed father.

The Hidden Girl and

Other Stories The Three-Body Problem

The Second Edition of Johnny Saldaña's

international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data.

Fully up to date, it includes new chapters, more coding techniques and an additional glossary. Clear, practical and authoritative, the book:

- describes how coding initiates qualitative data analysis

- demonstrates the writing of analytic memos

- discusses available analytic software

- suggests how best to use The Coding Manual for Qualitative

Researchers for particular studies. In total, 32 coding methods are

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profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldaña discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences.

### **A Three-Body Problem**

**Novel** SAGE Publications Limited

From science fiction legend Cixin Liu, the New York Times bestselling and award-winning author of *The Three-Body Problem*,

comes a vision of the future that reads like *Lord of the Flies* on a global scale in Supernova Era. In those days, Earth was a planet in space. In those days, Beijing was a city on Earth. On this night, history as known to humanity came to an end. Eight light years away, a star has died, creating a supernova event that showers Earth in deadly levels of radiation. Within a year, everyone over the age of thirteen will die. And so the countdown begins. Parents apprentice their children and try to pass on the knowledge needed to keep the world running. But when the world is theirs, the last generation may not want to continue the legacy left to them. And in shaping the future however they want, will the children usher in an era of bright beginnings or final mistakes? "This audacious

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and ultimately optimistic early work will give Liu's English-reading fans a glimpse at his evolution as a writer and give any speculative fiction reader food for deep thought." -- Shelf Awareness At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

### **Supernova Era Del Rey**

Here's another myth that has survived the tests of time. It has been passed on from one generation to the next, thereby preserving the lessons it brings. If you would notice, most of the Greek and Roman myths deal with curses and powers, which would pretty much describe the beliefs of the people who first told them. Are you ready to peek inside the pages? Do so now!

### Poincaré's Foundational Work on Dynamical Systems Theory Simon and Schuster

The narrator describes his religious journey quite skilfully. He in real terms is virtually dead and all his past occurrence that made him a past starts rewinding in front of his eyes which perhaps illustrates some known but unproven scientific theories. The book is full of Humor, grief, tragedy and Human behavior in addition there goes a huge suspense in the story which is quite sheenly maintained till the end. Its more of a brain thriller which will leave you dumbfound and the reader will enjoy every bit of it.

The Redemption of Time  
eStar Books

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This discounted ebundle of the Project, a daring plan that Three-Body Trilogy includes: grants four men enormous The Three-Body Problem, The resources to design secret Dark Forest, Death's End strategies, hidden through "Wildly imaginative, really deceit and misdirection from interesting." —President Barack Earth and Trisolaris alike. Obama Three of the Wallfacers are The Three-Body trilogies by New York Times influential statesmen and bestseller Cixin Liu keeps you scientists, but the fourth is a riveted with high-octane total unknown. Luo Ji, an action, political intrigue, and unambitious Chinese unexpected twists in this saga astronomer and sociologist, is of first contact with the baffled by his new status. All extraterrestrial Trisolaris. The he knows is that he's the one Three-Body Problem — An Wallfacer that Trisolaris wants alien civilization on the brink of dead. Death's End — Half a destruction captures the signal century after the Doomsday and plans to invade Earth. Battle, Cheng Xin, an Meanwhile, on Earth, different aerospace engineer from the camps start forming, planning early 21st century, awakens to either welcome the superior from hibernation in this new beings and help them take age. She brings with her over a world seen as corrupt, knowledge of a long-forgotten or to fight against the invasion. program dating from the The Dark Forest — In The Dark beginning of the Trisolar Forest, the aliens' human Crisis, and her very presence collaborators may have been may upset the delicate defeated, but the presence of balance between two worlds. the sophons, the subatomic Will humanity reach for the particles that allow Trisolaris stars or die in its cradle? Other instant access to all human Books by Cixin Liu (Translated information remains. Humanity to English) The Remembrance responds with the Wallfacer of Earth's Past The Three-

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Body Problem The Dark Forest the key to everything. The key  
Death's End Other Books Ball to humanity's place in the  
Lightning At the Publisher's cosmos and the key to the  
request, this title is being sold extinction-level threat it now  
without Digital Rights faces.  
Management Software (DRM) **The Wandering Earth** Tor  
applied. Books

**The Chronoliths** Partridge  
Publishing

1967: University student Ye  
Wenjie witnesses Red Guards  
beat her father to death during  
the Cultural Revolution. His  
crime? Failure to recant his  
belief in science. This singular  
event will shape not only the  
rest of her life but also the  
future of mankind. Four  
decades later, after a spate of  
apparent suicides among elite  
scientists, Beijing police ask  
nanotech engineer Wang  
Miao to infiltrate a secretive  
cabal that styles itself the  
Frontiers of Science. During  
the course of his investigation,  
Wang is inducted into a  
mysterious online game that  
immerses him in a virtual  
world ruled by the intractable  
and unpredictable interaction  
of its three suns. This is the  
Three-Body Problem and it is

Broken Stars, edited by  
multi award-winning writer  
Ken Liu--translator of the  
bestselling and Hugo  
Award-winning novel The  
Three Body Problem by  
acclaimed Chinese author  
Cixin Liu-- is his second  
thought-provoking  
anthology of Chinese short  
speculative fiction. Some of  
the included authors are  
already familiar to readers  
in the West (Liu Cixin and  
Hao Jingfang, both Hugo  
winners); some are  
publishing in English for the  
first time. Because of the  
growing interest in newer  
SFF from China, virtually  
every story here was first  
published in Chinese in the  
2010s. The stories span the

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range from short-shorts to novellas, and evoke every hue on the emotional spectrum. Besides stories firmly entrenched in subgenres familiar to Western SFF readers such as hard SF, cyberpunk, science fantasy, and space opera, the anthology also includes stories that showcase deeper ties to Chinese culture: alternate Chinese history, chuan Yue time travel, satire with historical and contemporary allusions that are likely unknown to the average Western reader. While the anthology makes no claim or attempt to be "representative" or "comprehensive," it demonstrates the vibrancy and diversity of science fiction being written in China at this moment. In addition, three essays at the end of the book explore the history of Chinese science fiction

publishing, the state of contemporary Chinese fandom, and how the growing interest in science fiction in China has impacted writers who had long labored in obscurity. Stories include: "Goodnight, Melancholy" by Xia Jia "The Snow of Jinyang" by Zhang Ran "Broken Stars" by Tang Fei "Submarines" by Han Song "Salinger and the Koreans" by Han Song "Under a Dangling Sky" by Cheng Jingbo "What Has Passed Shall in Kinder Light Appear" by Baoshu "The New Year Train" by Hao Jingfang "The Robot Who Liked to Tell Tall Tales" by Fei Dao "Moonlight" by Liu Cixin "The Restaurant at the End of the Universe: Laba Porridge" by Anna Wu "The First Emperor's Games" by Ma Boyong "Reflection" by Gu Shi "The Brain Box" by Regina Kanyu Wang "Coming of

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the Light” by Chen Qiufan  
“A History of Future  
Illnesses” by Chen Qiufan  
Essays: “A Brief  
Introduction to Chinese  
Science Fiction and  
Fandom,” by Regina Kanyu  
Wang, “A New Continent for  
China Scholars: Chinese  
Science Fiction Studies” by  
Mingwei Song “Science  
Fiction: Embarrassing No  
More” by Fei Dao For more  
Chinese SF in translation,  
check out Invisible Planets.  
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*Broken Stars* Simon and  
Schuster  
The Three-Body  
Problem Macmillan  
The Three-Body Problem  
and the Equations of  
Dynamics Victory Belt  
Publishing  
Presents the author's  
selection of his best short

stories, as well as a new  
piece, in a collection that  
includes "The Man Who  
Ended History: A  
Documentary," "Mono No  
Aware" and "The Waves."  
**Shadow Over Mars** Tor  
Books  
Soon to be a Netflix Original  
Series! "Wildly imaginative."  
—President Barack Obama on  
The Three-Body Problem  
trilogy This near-future trilogy  
is the first chance for English-  
speaking readers to  
experience this multiple-  
award-winning phenomenon  
from Cixin Liu, China's most  
beloved science fiction author.  
In *The Dark Forest*, Earth is  
reeling from the revelation of  
a coming alien invasion-in just  
four centuries' time. The  
aliens' human collaborators  
may have been defeated, but  
the presence of the sophons,  
the subatomic particles that  
allow Trisolaris instant access  
to all human information,  
means that Earth's defense  
plans are totally exposed to  
the enemy. Only the human

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mind remains a secret. This is the motivation for the Wallfacer Project, a daring plan that grants four men enormous resources to design secret strategies, hidden through deceit and misdirection from Earth and Trisolaris alike. Three of the Wallfacers are influential statesmen and scientists, but the fourth is a total unknown. Luo Ji, an unambitious Chinese astronomer and sociologist, is baffled by his new status. All he knows is that he's the one Wallfacer that Trisolaris wants dead. The Three-Body Problem Series The Three-Body Problem The Dark Forest Death's End Other Books Ball Lightning Supernova Era To Hold Up The Sky (forthcoming) At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

### Devices and Desires

Orbit

Adrian Tchaikovsky's award-winning novel

Children of Time, is the epic story of humanity's battle for survival on a terraformed planet. Who will inherit this new Earth? The last remnants of the human race left a dying Earth, desperate to find a new home among the stars. Following in the footsteps of their ancestors, they discover the greatest treasure of the past age - a world terraformed and prepared for human life. But all is not right in this new Eden. In the long years since the planet was abandoned, the work of its architects has borne disastrous fruit. The planet is not waiting for them, pristine and unoccupied. New masters have turned it from a refuge into mankind's worst nightmare. Now two civilizations are on a

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collision course, both  
testing the boundaries of  
what they will do to  
survive. As the fate of  
humanity hangs in the  
balance, who are the true  
heirs of this new  
Earth?