# Read Online A Naked Singularity English Edition

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A Naked Singularity-Sergio De La Pava 2012-04-09 A Naked Singularity tells the story of Casi, a child of Colombian immigrants who lives in Brooklyn and works in Manhattan as a public defender--one who, tellingly has never lost a trial. Never. In the book, we watch what happens when his sense of justice and even his sense of self begin to crack--and how his world then slowly devolves. It’s a huge, ambitious novel clearly in the vein of DeLillo, Foster Wallace, Pynchon, and even Melville, and it's told in a distinct, frequently hilarious voice, with a striking human empathy at its center. Its panoramic reach takes readers through crime and courts, immigrant families and urban blight, media savagery and media satire, scatology and boxing, and even a breathless heist worthy of any crime novel. If InfiniteJest stuck a pin in the map of mid-90s culture and drew our trajectory from there, A Naked Singularity does the same for the feeling of surfeit, brokenness, and exhaustion that permeates our civic and cultural life today. In the opening sentence of William Gaddis’s A Frolic of His Own, a character sneers, "Justice? You get justice in the next world. In this world, you get the law." A Naked Singularity reveals the extent of that gap, and lands firmly on the side of those who are forever getting the law.
Personae-Sergio De La Pava 2013-09-30 Sergio De La Pava’s A Naked Singularity was one of the most highly praised debut novels in decades. The Wall Street Journal called it “a propulsive, mind-bending experience,” and named it one of the ten best books of the year. The Toronto Star did the same, calling it “a great American novel: large, ambitious, and full of talk.” In Slate, Paul Ford proclaimed,“It’s a fine thing for an author to bring forth something so unapologetically maximalist.” This book is nothing like that one. Just look at it: A Naked Singularity was a brick of a book, 678 pages, and this one’s slim--lean and focused. A Naked Singularity locked us into the unforgettable voice of its protagonist, Casi, while Personae shimmers and shifts among different perspectives, locations, and narrative techniques. But sharp readers will quickly see that the two books are the work of the same hand. The sheer energy of De La Pava’s sentences, his eye for absurd humor, his commitment to the idea of justice--all will be familiar here as they carry us from the tale of an obsessive, damaged psychic detective consumed by a murder case, into a Sartrean drama that raises questions (and jokes) about responsibility, fate, death, and more. And when De La Pava eventually returns us to the investigation, this time seen from the other side, the lives and deaths bound up in it feel all the more real, and moving, even as solid answers slip away into mist. Shelf Awareness declared that A Naked Singularity "heralded the arrival of a tremendous talent." In some ways, despite its brevity, Personae is even more surprising and challenging--and, in its ambition and fierce intelligence, it’s proof that Sergio De La Pava is here to stay.
Lost Empress-Sergio De La Pava 2019-04-16 FROM THE PEN/ROBERT W. BINGHAM PRIZE-WINNING AUTHOR OF A NAKED SINGULARITY Led by a renegade young owner out for revenge against her traitorous family, the Paterson Pork--New Jersey's only Indoor Football League franchise--is challenging the Dallas Cowboys for championship glory. Meanwhile, a brilliant and lethal mastermind has gotten himself intentionally thrown into prison on Rikers Island with plans to commit the most audacious crime of all time. And is the world ending? Maybe. Filled with impossible triumphs and grave injustices, Lost Empress is another brilliant, hilarious, and eccentric masterpiece from Sergio de la Pava: a vibrant exultation of a novel, populated by a cast of unforgettable characters--immigrants, exiles, and outsiders--who will have you rooting for them, right up until the end.
Naked Singularity-DreamingBear Baraka Kanaan 2011-09-29 In general relativity, a naked singularity is a gravitational singularity, without an event horizon. In a black hole, there is a region around the singularity, the event horizon, where the gravitational force of the singularity is strong enough so that light cannot escape. Hence, the singularity cannot be directly observed. A naked singularity, by contrast, is observable from the outside. The theoretical existence of naked singularities is important because their existence would mean that it would be possible to observe the collapse of an object to infinite density. It would also cause foundational problems for general relativity, because in the presence of a naked singularity, general relativity cannot make predictions about the future evolution of spacetime. Some research has suggested that if loop quantum gravity is correct, then naked singularities could exist in nature, implying that the cosmic censorship hypothesis does not hold. Numerical calculations and some other arguments have also hinted at this possibility. To this date, no naked singularities (and no event horizons) have been observed.
Naked Singularity-DreamingBear Baraka Kanaan 2011-09-29 In general relativity, a naked singularity is a gravitational singularity, without an event horizon. In a black hole, there is a region around the singularity, the event horizon, where the gravitational force of the singularity is strong enough so that light cannot escape. Hence, the singularity cannot be directly observed. A naked singularity, by contrast, is observable from the outside. The theoretical existence of naked singularities is important because their existence would mean that it would be possible to observe the collapse of an object to infinite density. It would also cause foundational problems for general relativity, because in the presence of a naked singularity, general relativity cannot make predictions about the future evolution of spacetime. Some research has suggested that if loop quantum gravity is correct, then naked singularities could exist in nature, implying that the cosmic censorship hypothesis does not hold. Numerical calculations and some other arguments have also hinted at this possibility. To this date, no naked singularities (and no event horizons) have been observed.
Naked Singularity-Victoria N. Alexander 2015-05-05 When Hali’s father asks her to help him commit suicide to spare the family the misery of a long illness, she reluctantly agrees. Hali’s family insists on letting “God’s will” decide. Hali, brooding upon the idea of predetermination and an afterlife in a way that is both challenging and deeply moving, is ultimately unable to do what her father wishes. She is forced to accept the help of a manipulative male nurse, adding further complications and a slow and painful end.
Singularity Sky-Charles Stross 2004 In a world transformed by the Eschaton, a sentient artificial intelligence, the colony of New Republic, founded by people who wanted no part of the technological revolution, is threatened by an information plague of advanced technology. Reprint.
The Story of Collapsing Stars-Pankaj S. Joshi 2015 This book describes some of the most fascinating occurences in the universe - black holes and space-time singularities. These arise when massive stars reach the end of their life cycle and collapse and shrink under their own gravity as they exhaust their supply of internal nuclear fuel. A star that was once millions of kilometers in size shrinks to a pinprick smaller than the dot on an "i". This is the space-time singularity, an extreme region of the universewhere densities, temperatures, and all other physical quantities take arbitrarily large values. According to Einstein's theory of gravity, the singularity is either covered within an event horizon, thusgiving a black hole, or it can be a visible naked singularity. The final fate of the star depends on its internal structure. In cases of the singularity being visible to faraway observers in the universe, we have the possibility to witness the workings of quantum gravity effects. Such observational signatures related to how the gravity and quantum may operate together could help us formulate the quantum gravity theory, a long cherished dream of physicists. Thus these issues are found to beintimately related to our search for the Unification of Physics, understanding all the basic forces in nature in a single theoretical framework.
Frolic of His Own-William Gaddis 2013-06-18 A dazzling fourth novel by the author of The Recognitions, Carpenter’s Gothic, and JR uses his considerable powers of observation and satirical sensibilities to take on the American legal system.
Black Holes, Wormholes and Time Machines, Second Edition-Jim Al-Khalili 2011-12-08 Bringing the material up to date, Black Holes, Wormholes and Time Machines, Second Edition captures the new ideas and discoveries made in physics since the publication of the best-selling first edition. While retaining the popular format and style of its predecessor, this edition explores the latest developments in high-energy astroparticle physics and Big Bang cosmology. The book continues to make the ideas and theories of modern physics easily understood by anyone, from researchers to students to general science enthusiasts. Taking you on a journey through space and time, author Jim Al-Khalili covers some of the most fascinating topics in physics today, including: Black holes Space warps The Big Bang Time travel Wormholes Parallel universes Professor Al-Khalili explains often complex scientific concepts in simple, nontechnical terms and imparts an appreciation of the cosmos, helping you see how time traveling may not be so far-fetched after all.
Black Hole Physics-V. Frolov 1998-11-30 This volume on black holes can be seen as a sequel to Physics of Black Holes, published by Kluwer Academic Publishers in 1989. The authors are recognised experts in their field, and have many years' experience in teaching courses on general relativity and black holes. The present work covers practically all aspects of black hole physics and its astrophysical applications. Among the topics treated in depth are: spacetime of stationary black holes, general theory of black holes, black hole perturbations, black hole numerics, black hole electrodynamics, black holes in unified theories of gravity, quantum black holes, final states of evaporating black holes and the information loss puzzle. Special attention is paid to the role of black holes in astrophysics and observational evidence of black hole existence. Many exotic subjects linked with black holes, such as white holes, wormholes, and time machines are discussed in detail. Numerous appendices cover mathematical aspects of general relativity and black holes and quantum field theory in curved space time. This makes the book practically self-contained. Extensive references provide the reader with a guide to the literature in this field. Audience: This book will be of interest to researchers and postgraduate students whose work involves relativity and gravitation, statistical physics, thermodynamics, active galactic nuclei and stellar physics.
Bangs, Crunches, Whimpers, and Shrieks-John Earman 1995-11-02 Almost from its inception, Einstein's general theory of relativity was known to sanction spacetime models harboring singularities. Until the 1960s, however, spacetime singularities were thought to be artifacts of the idealizations of the models. This attitude evaporated in the face of a series of theorems, due largely to Stephen Hawking and Roger Penrose, which showed that Einstein's general theory implies that singularities can be expected to occur in a wide variety of conditions in both gravitational collapse and in cosmology. In the light of these results some physicists adopted the attitude that, since spacetime singularities are intolerable, general relativity contains within itself the seeds of its own destruction. Others hoped that peaceful coexistence with singularities could be achieved by proving a form of Roger Penrose's cosmic censorship hypothesis, which would place singularities safely inside black holes. Whatever the attitude one adopts toward spacetime singularities, it is evident that they raise a number of foundational problems for physics and have profound implications for the philosophy of space and time. However, philosophers of science have been slow to awaken to the significance of these developments. Indeed, this is the first serious book-length study of the subject by a philosopher of science. It features an overview of the literature on singularities, as well as an analytic commentary on their significance to a number of scientific and philosophical issues.
The Singularity: Heretic-David Beers 2014-11-17 One thousand years in the future, humans no longer rule... In the early twenty-first century, humanity marveled at its greatest creation: Artificial Intelligence. They never foresaw the consequences of such a creation, though... Now, in a world where humans must meet specifications to continue living, a man named Caesar emerges. Different, both in thought and talent, Caesar somehow slipped through the genetic net meant to catch those like him. Eyes are falling on Caesar now, though, and he can no longer hide. The Artificial Intelligence wants him dead, but others want him to lead their revolution... Can one man stand against humanity’s greatest creation? A don’t-miss epic science fiction novel that pits one man fighting for the future of all people!
Iron Sunrise-Charles Stross 2005 Charles Stross
General Relativity and Gravitation 1992, Proceedings of the Thirteenth INT Conference on General Relativity and Gravitation, held at Cordoba, Argentina, 28 June - July 4 1992-R.J. Gleiser 1993-01-01 General Relativity and Gravitation 1992 contains the best of 700 papers presented at the tri-annual INT conference, generally recognized as the key conference in the area. The plenary and invited papers are published in full, along with summaries of parallel symposia and workshops. The list of plenary speakers is as impressive as ever, with contributions from Jim Hartle, Roger Penrose, and Lee Smolin among many others.
The Recognitions-William Gaddis 2020-11-24 A postmodern masterpiece about fraud and forgery by one of the most distinctive, accomplished novelists of the last century. The Recognitions is a sweeping depiction of a world in which everything that anyone recognizes as beautiful or true or good emerges as anything but: our world. The book is a masquerade, moving from New England to New York to Madrid, from the art world to the underworld, but it centers on the story of Wyatt Gwyon, the son of a New England minister, who forsakes religion to devote himself to painting, only to despair of his inspiration. In expiation, he will paint nothing but flawless copies of his revered old masters—copies, however, that find their way into the hands of a sinister financial wizard by the name of Recktall Brown, who of course sells them as the real thing. Dismissed uncomprehendingly by reviewers on publication in 1955 and ignored by the literary world for decades after, The Recognitions is now established as one of the great American novels, immensely ambitious and entirely unique, a book of wild, Boschian inspiration and outrageous comedy that is also profoundly serious and sad.
General Relativity and the Einstein Equations-Yvonne Choquet-Bruhat 2008-12-04 General Relativity has passed all experimental and observational tests to model the motion of isolated bodies with strong gravitational fields, though the mathematical and numerical study of these motions is still in its infancy. It is believed that General Relativity models our cosmos, with a manifold of dimensions possibly greater than four and debatable topology opening a vast field of investigation for mathematicians and physicists alike. Remarkable conjectures have been proposed, many results have been obtained but many fundamental questions remain open. In this monograph, aimed at researchers in mathematics and physics, the author overviews the basic ideas in General Relativity, introduces the necessary mathematics and discusses some of the key open questions in the field.
The Story of Collapsing Stars-Pankaj S. Joshi 2015-01-08 This book journeys into one of the most fascinating intellectual adventures of recent decades - understanding and exploring the final fate of massive collapsing stars in the universe. The issue is of great interest in fundamental physics and cosmology today, from both the perspective of gravitation theory and of modern astrophysical observations. This is a revolution in the making and may be intimately connected to our search for a unified understanding of the basic forces of nature, namely gravity that governs the cosmological universe, and the microscopic forces that include quantum phenomena. According to the general theory of relativity, a massive star that collapses catastrophically under its own gravity when it runs out of its internal nuclear fuel must give rise to a space-time singularity. Such singularities are regions in the universe where all physical quantities take their extreme values and become arbitrarily large. The singularities may be covered within a black hole, or visible to faraway observers in the universe. Thus, the final fate of a collapsing massive star is either a black hole or a visible naked singularity. We discuss here recent results and developments on the gravitational collapse of massive stars and possible observational implications when naked singularities happen in the universe. Large collapsing massive stars and the resulting space-time singularities may even provide a laboratory in the cosmos where one could test the unification possibilities of basic forces of nature.
Marco's Millions-William Sleator 2002 Twelve-year-old Marco's love for travel and for his younger sister Lilly, who has psychic powers, leads him to journey to other universes, gaining the ability to go wherever he wishes without growing old.
Mathematical Reviews- 2006-11
Black Holes & Time Warps: Einstein's Outrageous Legacy (Commonwealth Fund Book Program)-Kip Thorne 1995-01-17 Winner of the 2017 Nobel Prize in Physics Ever since Albert Einstein's general theory of relativity burst upon the world in 1915 some of the most brilliant minds of our century have sought to decipher the mysteries bequeathed by that theory, a legacy so unthinkable in some respects that even Einstein himself rejected them. Which of these bizarre phenomena, if any, can really exist in our universe? Black holes, down which anything can fall but from which nothing can return; wormholes, short spacewarps connecting regions of the cosmos; singularities, where space and time are so violently warped that time ceases to exist and space becomes a kind of foam; gravitational waves, which carry symphonic accounts of collisions of black holes billions of years ago; and time machines, for traveling backward and forward in time. Kip Thorne, along with fellow theorists Stephen Hawking and Roger Penrose, a cadre of Russians, and earlier scientists such as Oppenheimer, Wheeler and Chandrasekhar, has been in the thick of the quest to secure answers. In this masterfully written and brilliantly informed work of scientific history and explanation, Dr. Thorne, a Nobel Prize-winning physicist and the Feynman Professor of Theoretical Physics Emeritus at Caltech, leads his readers through an elegant, always human, tapestry of interlocking themes, coming finally to a uniquely informed answer to the great question: what principles control our universe and why do physicists think they know the things they think they know? Stephen Hawking's A Brief History of Time has been one of the greatest best-sellers in publishing history. Anyone who struggled with that book will find here a more slowly paced but equally mind-stretching experience, with the added fascination of a rich historical and human component. Winner of the Phi Beta Kappa Award in Science.
Gravitational Collapse and Spacetime Singularities-Pankaj S. Joshi 2007-12-13 Physical phenomena in astrophysics and cosmology involve gravitational collapse in a fundamental way. The final fate of a massive star when it collapses under its own gravity at the end of its life cycle is one of the most important questions in gravitation theory and relativistic astrophysics, and is the foundation of black hole physics. General relativity predicts that continual gravitational collapse gives rise to a space-time singularity. Quantum gravity may take over in such regimes to resolve the classical space-time singularity. This book, first published in 2007, investigates these issues, and shows how the visible ultra-dense regions arise naturally and generically as an outcome of dynamical gravitational collapse. It will be of interest to graduate students and academic researchers in gravitation physics, fundamental physics, astrophysics, and cosmology. It includes a detailed review of research into gravitational collapse, and several examples of collapse models are investigated in detail.
Elle-M. W. Kelly 2020-05-02 Elle, the Naked Singularity is science fiction spiked with magical realism, a story in which a college student finds herself lost in the multiverse. Twenty-year-old Elle Akamu slips from 21st century Earth through spacetime into a parallel universe in the 1970s British Hawaiian Islands. She befriends a transgender social worker, a teenage orphan, and a POW survivor in her quest to return home. Lost in the multiverse, she discovers life is about accepting her past, choosing a future, and finding love in her new world. A fusion of science and Buddhism, the story explores racism, gay rights, and gender inequality in the 1970s through the eyes of a 21st century time traveler. A stranger in a strange land, Elle wrestles with our oldest questions-what is the nature of the universe? And how do our relationships shape our world?The Wizard of Oz gets a fresh perspective in this second installment in the Lost in The Multiverse series. Elle's story proves that thoughtful science fiction can rise to new heights of beauty, meaning, and compassion.
The Metamorphosis of Prime Intellect-Roger Williams 2006-09 In a time not far from our own, Lawrence sets out simply to build an artifical intelligence that can pass as human, and finds himself instead with one that can pass as a god. Taking the Three Laws of Robotics literally, Prime Intellect makes every human immortal and provides instantly for every stated human desire. Caroline finds no meaning in this life of purposeless ease, and forgets her emptiness only in moments of violent and profane exhibitionism. At turns shocking and humorous, "Prime Intellect" looks unflinchingly at extremes of human behavior that might emerge when all limits are removed. An international Internet phenomenon, "Prime Intellect" has been downloaded more than 10,000 times since its free release in January 2003. It has been read and discussed in Australia, Canada, Denmark, Germany, Japan, Mexico, the Netherlands, Slovenia, South Africa, and other countries. This Lulu edition is your chance to own "Prime Intellect" in conventional book form.
The Lost Scrapbook-Evan Dara 1998 Author's first novel takes place in a community in modern America --Back cover.
Singularity-William Sleator 1997-01 Sixteen-year-old twins Harry and Barry stumble across a gateway to another universe, where a distortion in time and space causes a dramatic change in their competitive relationship.
The Analysis of Space-Time Singularities-C. J. S. Clarke 1993 The different possible singularities are defined and the mathematical methods needed to extend the space-time are described in detail in this book. Results obtained (many appearing here for the first time) show that singularities are associated with a lack of smoothness in the Riemann tensor.
Naked Singularities and the Hoop Conjecture-Takashi Nakamura 1988
Gravitational Solitons-V. Belinski 2001-07-19 This 2001 book gives a self-contained exposition of the theory of gravitational solitons and provides a comprehensive review of exact soliton solutions to Einstein's equations. The text begins with a detailed discussion of the extension of the Inverse Scattering Method to the theory of gravitation, starting with pure gravity and then extending it to the coupling of gravity with the electromagnetic field. There follows a systematic review of the gravitational soliton solutions based on their symmetries. These solutions include some of the most interesting in gravitational physics such as those describing inhomogeneous cosmological models, cylindrical waves, the collision of exact gravity waves, and the Schwarzschild and Kerr black holes. A valuable reference for researchers and graduate students in the fields of general relativity, string theory and cosmology, this book will also be of interest to mathematical physicists in general.
The Novel: An Alternative History, 1600-1800-Steven Moore 2013-08-29 Winner of the Christian Gauss Award for excellence in literary scholarship from the Phi Beta Kappa Society Having excavated the world's earliest novels in his previous book, literary historian Steven Moore explores in this sequel the remarkable flowering of the novel between the years 1600 and 1800-from Don Quixote to America's first big novel, an homage to Cervantes entitled Modern Chivalry. This is the period of such classic novels as Tom Jones, Candide, and Dangerous Liaisons, but beyond the dozen or so recognized classics there are hundreds of other interesting novels that appeared then, known only to specialists: Spanish picaresques, French heroic romances, massive Chinese novels, Japanese graphic novels, eccentric English novels, and the earliest American novels. These minor novels are not only interesting in their own right, but also provide the context needed to appreciate why the major novels were major breakthroughs. The novel experienced an explosive growth spurt during these centuries as novelists experimented with different forms and genres: epistolary novels, romances, Gothic thrillers, novels in verse, parodies, science fiction, episodic road trips, and family sagas, along with quirky, unclassifiable experiments in fiction that resemble contemporary, avant-garde works. As in his previous volume, Moore privileges the innovators and outriders, those who kept the novel novel. In the most comprehensive history of this period ever written, Moore examines over 400 novels from around the world in a lively style that is as entertaining as it is informative. Though written for a general audience, The Novel, An Alternative History also provides the scholarly apparatus required by the serious student of the period. This sequel, like its predecessor, is a “zestfully encyclopedic, avidly opinionated, and dazzlingly fresh history of the most 'elastic' of literary forms” (Booklist).
The Physics of the Buffyverse-Jennifer Ouellette 2006-12-26 Physics with a Buffy the Vampire Slayer pop-culture chaser In the tradition of the bestselling The Physics of Star Trek, acclaimed science writer Jennifer Ouellette explains fundamental concepts in the physical sciences through examples culled from the hit TV shows Buffy the Vampire Slayer and its spin-off, Angel. The weird and wonderful world of the Buffyverse—where the melding of magic and science is an everyday occurrence—provides a fantastical jumping-off point for looking at complex theories of biology, chemistry, and theoretical physics. From surreal vampires, demons, and interdimensional portals to energy conservation, black holes, and string theory, The Physics of the Buffyverse is serious (and palatable) science for the rest of us.
Madeleine Is Sleeping-Sarah Shun-lien Bynum 2020-10-27 A National Book Award Finalist, Sarah Shun-lien Bynum's enchanting and inventive first novel is a groundbreaking, contemporary classic When a girl falls into a mysterious, impenetrable sleep, the borders between her provincial French village and the peculiar, beguiling realm of her dreams begin to disappear: A fat woman sprouts delicate wings and takes flight; a failed photographer stumbles into the role of pornographer; a beautiful young wife grows to resemble her husband's viol. Madeleine, the dreamer, travels in their midst, trying to make sense of her own metamorphosis. She leaves home, joins a gypsy circus, and falls into an unexpected triangle of desire and love. Embracing the earthy and the ethereal, the comical and the poignant, Madeleine Is Sleeping is part fairy tale, part coming-of-age story, and above all, an adventure in the discovery of art, sexuality, community, and the self.
Frontiers of Fundamental Physics 4-B. G. Sidharth 2001-10-31 This symposium was organized at the B.M. Birla Science Centre, Hyderabad, India, and provided a platform for frontier physicists to exchange ideas and review the latest work and developments on a variety of interrelated topics. A feature of the symposium, as well as the proceedings, is the B.M. Birla Memorial Lecture by Nobel Laureate Professor Gerard 't Hooft. There were participants from the USA, several European countries, Russia and CIS countries, South Africa, Japan, India and elsewhere, of whom some forty scientists presented papers. Spanning a wide range of contemporary issues in fundamental physics from string theory to cosmology, the proceedings present many of these talks and contributions.
The Oxford Handbook of Philosophy of Time-Craig Callender 2011-04-07 As the study of time has flourished in the physical and human sciences, the philosophy of time has come into its own as a lively and diverse area of academic research. Philosophers investigate not just the metaphysics of time, and our experience and representation of time, but the role of time in ethics and action, and philosophical issues in the sciences of time, especially with regard to quantum mechanics and relativity theory. This Handbook presents twenty-three specially written essays by leading figures in their fields: it is the first comprehensive collaborative study of the philosophy of time, and will set the agenda for future work.
Singularity-Bill DeSmedt 2014-05-10 "Singularity" is a swift, gripping novel with a goose-pimple mix of scary science and near-future action. An excellent debut from Bill DeSmedt - and I'll be looking forward to his next one " - GREG BEAR, "New York Times" bestselling author "One of the best debuts of the year " - Barnes & Noble's Explorations "DeSmedt veers an action-packed thriller into perilous realms of black hole physics. The combination of adrenaline and intellect sizzles." - DAVID BRIN, "New York" Times bestselling author ""Singularity" juggles Clancy, Crichton and The Da Vinci Code. An innovative concept for an end-of-the-world thriller, with convincing research and locomotive pacing." - KEVIN J. ANDERSON, "New York Times" bestselling author Synopsis: "June 30th, 1908" - In the remote Tunguska region of Siberia, the most violent cosmic collision in recorded history flattened ancient forests over an area half the size of Rhode Island. Yet after a hundred years of international scientific research the cause of this impact remains a mystery. A MAVERICK ASTROPHYSICIST Jack Adler thinks he's fingered the culprit: a submicroscopic black hole, smaller than an atom, heavier than a mountain, older than the stars. What's more, that fantastic object is still down there, deep inside the Earth, burrowing through the mantle in an ever-decaying orbit that will end only when it has devoured the entire planet. A ROOKIE SECRET AGENT Marianna Bonaventure is tracking three missing scientists suspected of involvement in weapons of mass destruction research. The trail leads to Rusalka, the luxurious floating corporate headquarters of billionaire Russian industrialist Arkady Grishin. Determined to prove herself, Marianna creates an elaborate ruse in order to infiltrate the megayacht - a dangerous gambit that requires the coerced cooperation of a rather special civilian ... AN UNCANNY CONSULTANT Jonathan Knox is one of the country's most sought-after analysts; his knack for intuiting hidden relationships among seemingly disparate events serves his Fortune-50 clients well. But when Marianna compels the reluctant Knox to join her undercover mission, he must grapple with puzzles of a whole different order of magnitude. Against violent and cunning opposition, the three of them unearth a scheme to capture the submicroscopic black hole that caused the Tunguska Event and use its awesome power to transform the world - or end it altogether. Bill DeSmedt's debut is a tour-de-force of breakneck plotting, complex characters, and cutting-edge science. In the tradition of Michael Crichton and Greg Bear, "Singularity" weaves a richly detailed and intelligent tale, meticulously researched and elegantly told.
The Singular Voice of Being-Andrew T. LaZella 2019-05-07 The Singular Voice of Being reconsiders John Duns Scotus’s well-studied theory of the univocity of being in light of his less explored discussions of ultimate difference. Ultimate difference is a notion introduced by Aristotle and known by the Aristotelian tradition, but one that, this book argues, Scotus radically retrofits to buttress his doctrine of univocity. Scotus broadens ultimate difference to include not only specific differences, but also intrinsic modes of being (e.g., finite/infinite) and principles of individuation (i.e., haecceitates). Furthermore, he deepens it by divorcing it from anything with categorical classification, such as substantial form. Scotus uses his revamped notion of ultimate difference as a means of dividing being, despite the longstanding Parmenidean arguments against such division. The book highlights the unique role of difference in Scotus’s thought, which conceives of difference not as a fall from the perfect unity of being but rather as a perfective determination of an otherwise indifferent concept. The division of being culminates in individuation as the final degree of perfection, which constitutes indivisible (i.e., singular) degrees of being. This systematic study of ultimate difference opens new dimensions for understanding Scotus’s dense thought with respect to not only univocity, but also to individuation, cognition, and acts of the will.
The Changing Light at Sandover-James Merrill 2019-11-27 James Merrill’s audacious and dazzling epic poem, The Changing Light at Sandover, remains as startling today as when it first emerged in separate volumes over a period of several years. Individual parts won the Pulitzer Prize and the National Book Award, and the entire poem, when it was collected into one volume in 1982, won the National Book Critics Circle Award. It is now an American classic, here in a definitive new hardcover edition that includes Voices from Sandover, Merrill’s recasting of the poem for the stage. The book carries us to the scene of Merrill’s Ouija board sessions with his partner, David Jackson—the candlelit Stonington dining room with its flame-colored walls and the famous Willowware cup they used as a pointer in their occult travels. In a shimmering interplay of verse forms, Merrill set down their extended conversations with their familiar and guide, Ephraim (a first-century Greek Jew), W. H. Auden, W. B. Yeats, Plato, a brilliant peacock named Mirabell, and other old friends who had passed to the other side. JM (whom the spirits call “scribe”) and DJ (“hand”) are also introduced to the lonely eminence God B (“God Biology”), his sister Mother Nature, and a host of angels and lesser residents of the empyrean who are variously involved in the ways of this world. The laughter, the missteps, and the schoolroom frustrations of the earthly pair’s gradual enlightenment make this otherworldly journey, finally, and utterly human one. A unique exploration of the writer’s role in a postatomic, postreligious age, Sandover has been compared to the work of Yeats, Proust, Milton, and Blake. Merrill’s tale of the joys and tragedies of man’s powers, and his message about the importance of our endangered efforts to make a good life on earth, will stand as one of the most profound experiences available to readers of poetry.
Black Holes and Relativistic Stars-Robert M. Wald 1998 A comprehensive summary of progress made during the past decade on the theory of black holes and relativistic stars, this collection includes discussion of structure and oscillations of relativistic stars, the use of gravitational radiation detectors, observational evidence for black holes, cosmic censorship, numerical work related to black hole collisions, the internal structure of black holes, black hole thermodynamics, information loss and other issues related to the quantum properties of black holes, and recent developments in the theory of black holes in the context of string theory. Volume contributors: Valeria Ferrari, John L. Friedman, James B. Hartle, Stephen W. Hawking, Gary T. Horowitz, Werner Israel, Roger Penrose, Martin J. Rees, Rafael D. Sorkin, Saul A. Teukolsky, Kip S. Thorne, and Robert M. Wald.
Unthinking Thinking-Floyd Merrell 1991 This authoritative study explores the scientific and mathematical cultural milieu that patterns much of the Argentine writer Jorge Luis Borges's narrative design. Although criticism of Borges's fiction and essays has long emphasized philosophical traditions, Merrell expands the context of this interrogation of traditions by revealing how early twentieth-century and contemporary mathematics and physics also participated in a similar exploration. Topics treated include the semiotic flows of paradox and contradiction, the patterns of infinities, the limits of natural and mathematical languages, and the narrative function in scientific theory. Against this, background, Merrell provides incisive readings of Borges's complex fiction and essays.
The Future of Spacetime-Stephen Hawking 2003 Presents essays that explore the deepest mysteries of the universe, including black holes, gravity holes, and time travel, by physicists Stephen Hawking, Kip S. Thorne, Igor Novikov, Timothy Ferris, and Alan Lightman.