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~~Book Review: Dark Matter by Blake Crouch~~ *Dark Matter by Blake Crouch | Book Review*
What is Dark Matter and Dark Energy? Worth the Hype?!
DARK MATTER Dark Matter Discussion (Book Club) Blake Crouch (DARK MATTER) at the PRH Library Marketing \u0026amp; Library Journal Author Breakfast ~~Dark Matter (A Novel) by Blake Crouch~~
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Matter and the Dinosaurs |
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Dark matter is a form of
matter thought to account

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for approximately 85% of the matter in the universe and about a quarter of its total mass-energy density or about 2.241×10^{27} kg/m³. Its presence is implied in a variety of astrophysical observations, including gravitational effects that cannot be explained by accepted theories of gravity unless more matter is present than can be seen.

Dark matter - Wikipedia
Created by Joseph Mallozzi, Paul Mullie. With Melissa O'Neil, Anthony Lemke, Alex Mallari Jr., Jodelle Ferland. In the dystopian 27th century, six people wake up on a deserted

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spaceship with no memory of who they are or what they're doing there. They reluctantly team up and set off to find answers with the help of a female android.

Dark Matter (TV Series 2015-2017) - IMDb

Dark matter could be white dwarfs, the remnants of cores of dead small- to medium-size stars. Or dark matter could be neutron stars or black holes, the remnants of large stars after they explode. The Fermi Gamma-Ray Space Telescope can detect high-energy gamma rays that may be emitted when dark matter particles collide.

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What Is Dark Matter? | NASA

The dark matter that comprises the other 26.1 percent of the universe's matter is in an unfamiliar, nonbaryonic form. The rate at which galaxies and large structures composed of galaxies coalesced from density fluctuations in the early universe indicates that the nonbaryonic dark matter is relatively ...

dark matter | Definition & Facts | Britannica

Dark matter is a mysterious non-luminous substance making up the vast majority of matter in the universe. Though experts have observed

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the gravitational effects of dark matter for decades ...

What is dark matter? | Live Science

Dark matter may be made of baryonic or non-baryonic matter. To hold the elements of the universe together, dark matter must make up approximately 80% percent of the universe. The missing matter ...

What is Dark Matter? | Space

The dark matter-to-normal matter ratio of over 600-to-1 is the greatest ratio ever seen in the dark matter-favoring direction. Marla Geha and Keck Observatories 4.)

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5 Things We Know About Dark Matter (And 5 We Don't)

Unlike for dark matter, scientists have no plausible explanation for dark energy. According to one idea, dark energy is a fifth and previously unknown type of fundamental force called quintessence ...

Dark Matter and Dark Energy
| National Geographic

What is dark energy? More is unknown than is known – we know how much there is, and we know some of its properties; other than that, dark energy is a mystery – but an important one.

Roughly 70% of the Universe

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is made of dark energy. Dark matter makes up about 25%. The rest - everything on Earth, everything ever observed with all of our instruments, all normal matter adds up to less than 5 ...

Dark Energy, Dark Matter / Science Mission Directorate
Dark Matter is a Canadian science fiction series created by Joseph Mallozzi and Paul Mullie, based on their comic book of the same name and developed by Prodigy Pictures in association with Space channel. An order for 13 episodes was placed for the first season of the series,

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which premiered on June 12, 2015 on both Space and Syfy.. On September 5, 2015, the series was renewed for a second season.

Dark Matter (TV series) - Wikipedia

Dark Matter is a brilliantly plotted tale that is at once sweeping and intimate, mind-bendingly strange and profoundly human—a relentlessly surprising science-fiction thriller about choices, paths not taken, and how far we'll go to claim the lives we dream of.

*Dark Matter: A Novel:
Crouch, Blake:*

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9781101904244: Amazon ...

So if dark matter passes right through normal matter, trying to find dark matter is like trying to catch a ghost baseball with a normal glove. Plus, while dark matter is bountiful in the universe ...

Dark matter, unexplained - Vox

Astronomers discovered dark matter through its gravitational interactions with ordinary matter, suggesting that this is its main way of making its presence known in the universe.

The 11 Biggest Unanswered

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Questions About Dark Matter

...

Dark Matter, to be blunt, is miles and miles away from the line that marks my ``comfort zone.'' I never, or very, very seldom, read books such as this one. But the truth is, I never read a book like Dark Matter before. It's a love story, it's a thriller, it's a science fiction book. It's thought-provoking, gripping, action-filled.

Dark Matter by Blake Crouch
- Goodreads

The lightest that dark matter could possibly be is about one-thousandth of a trillionth of a trillionth

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of the electron's mass—which would result in a particle that's like an extremely low ...

The Search for Dark Matter Is Dramatically Expanding | WIRED

View All Dark Matter News . About Tomatometer. A series gets an Average Tomatometer when at least 50 percent of its seasons have a score. The Average Tomatometer is the sum of all season scores ...

Dark Matter - Rotten Tomatoes

Dark matter, the invisible matter that provides structure for the universe,

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reveals itself through gravitational influence in galaxies. New observations made using the Hubble Space Telescope have ...

Mysterious dark matter: New aspect revealed by Hubble

...

Dark Matter (TV Series 2015-2017) cast and crew credits, including actors, actresses, directors, writers and more.

A mindbending, relentlessly surprising thriller from the author of the bestselling Wayward Pines trilogy. "Are you happy with your life?"

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Those are the last words Jason Dessen hears before the masked abductor knocks him unconscious. Before he awakens to find himself strapped to a gurney, surrounded by strangers in hazmat suits. Before a man Jason's never met smiles down at him and says, "Welcome back, my friend." In this world he's woken up to, Jason's life is not the one he knows. His wife is not his wife. His son was never born. And Jason is not an ordinary college physics professor, but a celebrated genius who has achieved something remarkable. Something impossible. Is it this world or the other

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that's the dream? And even if the home he remembers is real, how can Jason possibly make it back to the family he loves? The answers lie in a journey more wondrous and horrifying than anything he could've imagined—one that will force him to confront the darkest parts of himself even as he battles a terrifying, seemingly unbeatable foe. Dark Matter is a brilliantly plotted tale that is at once sweeping and intimate, mind-bendingly strange and profoundly human—a relentlessly surprising science-fiction thriller about choices, paths not taken, and how far we'll go

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to claim the lives we dream of.

January 1937. Clouds of war are gathering over a fogbound London. Twenty-eight year old Jack is poor, lonely and desperate to change his life. So when he's offered the chance to be the wireless operator on an Arctic expedition, he jumps at it. Spirits are high as the ship leaves Norway: five men and eight huskies, crossing the Barents Sea by the light of the midnight sun. At last they reach the remote, uninhabited bay where they will camp for the next year. Gruhuken. But the Arctic

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summer is brief. As night returns to claim the land, Jack feels a creeping unease. One by one, his companions are forced to leave. He faces a stark choice. Stay or go. Soon he will see the last of the sun, as the polar night engulfs the camp in months of darkness. Soon he will reach the point of no return - when the sea will freeze, making escape impossible. And Gruhuken is not uninhabited. Jack is not alone. Something walks there in the dark. This Special Edition Ebook will feature exclusive material: AUTHOR EXTRAS: Dark Matter ; An exclusive interview with

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Michelle Paver and an extended author biography with integrated photos of the landscape of Spitsbergen. COVER DESIGN: Dark Matter ; the jacket designer;s take and cover design progression (5 x visuals). DARK MATTER - A SHORT FILM: Dark Matter ; Turning the novel into a short promotional film and Dark Matter - The Film Director's Cut, the rejected film scripts, the final film script and behind the scenes at filming (3 x visuals).

Grossly ambitious and rooted in scientific scholarship, The Other Dark Matter shows how human excrement can be a

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life-saving, money-making resource—if we make better use of it. The average person produces about four hundred pounds of excrement a year. More than seven billion people live on this planet. Holy crap! Because of the diseases it spreads, we have learned to distance ourselves from our waste, but the long line of engineering marvels we've created to do so—from Roman sewage systems and medieval latrines to the immense, computerized treatment plants we use today—has also done considerable damage to the earth's ecology. Now scientists tell us: we've been wasting our waste. When

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recycled correctly, this resource, cheap and widely available, can be converted into a sustainable energy source, act as an organic fertilizer, provide effective medicinal therapy for antibiotic-resistant bacterial infection, and much more. In clear and engaging prose that draws on her extensive research and interviews, Lina Zeldovich documents the massive redistribution of nutrients and sanitation inequities across the globe. She profiles the pioneers of poop upcycling, from startups in African villages to innovators in American cities that convert sewage

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into fertilizer, biogas, crude oil, and even life-saving medicine. She breaks taboos surrounding sewage disposal and shows how hygienic waste repurposing can help battle climate change, reduce acid rain, and eliminate toxic algal blooms. Ultimately, she implores us to use our innate organic power for the greater good. Don't just sit there and let it go to waste.

Describes the dark matter problem in particle physics, astrophysics and cosmology for graduate students and researchers.

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In this brilliant exploration of our cosmic environment, the renowned particle physicist and New York Times bestselling author of *Warped Passages* and *Knocking on Heaven's Door* uses her research into dark matter to illuminate the startling connections between the furthest reaches of space and life here on Earth. Sixty-six million years ago, an object the size of a city descended from space to crash into Earth, creating a devastating cataclysm that killed off the dinosaurs, along with three-quarters of the other species on the planet. What was its origin?

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In *Dark Matter and the Dinosaurs*, Lisa Randall proposes it was a comet that was dislodged from its orbit as the Solar System passed through a disk of dark matter embedded in the Milky Way. In a sense, it might have been dark matter that killed the dinosaurs.

Working through the background and consequences of this proposal, Randall shares with us the latest findings—established and speculative—regarding the nature and role of dark matter and the origin of the Universe, our galaxy, our Solar System, and life, along with the process by which scientists explore new

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concepts. In *Dark Matter and the Dinosaurs*, Randall tells a breathtaking story that weaves together the cosmos' history and our own, illuminating the deep relationships that are critical to our world and the astonishing beauty inherent in the most familiar things.

Dark Matter is the first and only series to bring together the works of black SF and fantasy writers. The first volume was featured in the "New York Times," which named it a Notable Book of the Year.

All the matter and light we

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can see in the universe makes up a trivial 5 per cent of everything. The rest is hidden. This could be the biggest puzzle that science has ever faced. Since the 1970s, astronomers have been aware that galaxies have far too little matter in them to account for the way they spin around: they should fly apart, but something concealed holds them together. That 'something' is dark matter - invisible material in five times the quantity of the familiar stuff of stars and planets. By the 1990s we also knew that the expansion of the universe was accelerating. Something, named dark

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energy, is pushing it to expand faster and faster. Across the universe, this requires enough energy that the equivalent mass would be nearly fourteen times greater than all the visible material in existence. Brian Clegg explains this major conundrum in modern science and looks at how scientists are beginning to find solutions to it.

Poetry. Translated from the Swedish by Johannes Göransson. Berg's hallucinatory, post-cataclysmic epic takes place in an unremitting future-past. The bodies mutate and hybridize. They are erotic

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and artificial, art and adrenaline. Available for the first time in English as a complete collection, the poems of this contemporary Swedish classic contaminate as they become contaminated—drawing on and altering source texts that range from The Texas Chainsaw Massacre to string theory. Calling on fables, science, the pastoral, and the body, DARK MATTER aggravates their perception while exhausting poetry down to its nerve: "a faint spasm of cheers before this, the nervous system's last chance to communicate with the dying I." The result: a monstrous zone of linguistic

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and bodily interpenetration, cell death, and radiant permutations. "Extraordinary and urgent, a coded warning smuggled out of dark."—China Miéville "Aase Berg's poetry is discomfoting because it lacks boundaries.... When I read her I notice how my consciousness tries to separate, divide up and make sense of her almost hallucinatory images, but they always glide back together. I get nauseated and almost seasick from her texts."—Åsa Beckman

How Vera Rubin convinced the scientific community that dark matter might exist, persevering despite early

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dismissals of her work. We now know that the universe is mostly dark, made up of particles and forces that are undetectable even by our most powerful telescopes. The discovery of the possible existence of dark matter and dark energy signaled a Copernican-like revolution in astronomy: not only are we not the center of the universe, neither is the stuff of which we're made. Astronomer Vera Rubin (1928-2016) played a pivotal role in this discovery. By showing that some astronomical objects seem to defy gravity's grip, Rubin helped convince the scientific community of the

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possibility of dark matter. In *Bright Galaxies, Dark Matter, and Beyond*, Ashley Jean Yeager tells the story of Rubin's life and work, recounting her persistence despite early dismissals of her work and widespread sexism in science. Yeager describes Rubin's childhood fascination with stars, her education at Vassar and Cornell, and her marriage to a fellow scientist. At first, Rubin wasn't taken seriously; she was a rarity, a woman in science, and her findings seemed almost incredible. Some observatories in midcentury America restricted women from using their large

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telescopes; Rubin was unable to collect her own data until a decade after she had earned her PhD. Still, she continued her groundbreaking work, driving a scientific revolution. She received the National Medal of Science in 1993, but never the Nobel Prize—perhaps overlooked because of her gender. She's since been memorialized with a ridge on Mars, an asteroid, a galaxy, and most recently, the Vera C. Rubin Observatory—the first national observatory named after a woman.

Written for the educated non-scientist and scientist alike, it spans a variety of

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scientific disciplines, from observational astronomy to particle physics. Concepts that the reader will encounter along the way are at the cutting edge of scientific research. However the themes are explained in such a way that no prior understanding of science beyond a high school education is necessary.

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