

Dwt Dct And Svd Based Digital Image Watermarking

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DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING BOOK RECAP

Are you searching for a detailed Dwt Dct And Svd Based Digital Image Watermarking recap that checks out the significant styles, personalities, and vital

plot factors of a cherished composition? Look no further! In this write-up, we will certainly offer a thorough analysis of this publication, analyzing its literary possibility with character evaluation, thematic exploration, and a close examination of the writer's composing style and language selections. Our goal is to offer readers with a deep understanding and recognition of this publication, enabling them to fully immerse themselves in its story. So, relax, loosen up, and let's dive into this

Dwt Dct And Svd Based Digital Image Watermarking summary with each other.

MAJOR THEMES OF DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

As we dive deeper into our book recap, we can see that the significant styles checked out in this Dwt Dct And Svd Based Digital Image Watermarking book are critical to recognizing its story. Guide explores styles such as love, loss, power, and self-discovery, which are all interwoven to produce a complex and multilayered story.

LOVE AND LOSS

The motif of love and loss prevails throughout guide Dwt Dct And Svd

Based Digital Image Watermarking, with characters experiencing both the happiness and pains of enchanting relationships. Guide explores the idea of true love and how it can endure also in the most difficult of situations. We see personalities facing this theme, making sacrifices and facing difficult choices for love.

POWER AND CONTROL

Another substantial style in Dwt Dct And Svd Based Digital Image Watermarking is power and control. Guide discovers exactly how individuals strive for power and exactly how it can corrupt them. We see characters making use of power to control and control others, causing conflict and catastrophe. This theme emphasizes the value of utilizing power

intelligently and understanding its consequences.

DWT-DCT-SVD based watermarking -

IEEE Conference Publication Dwt Dct And Svd Based In this paper, an algorithm for multiple watermarking based on discrete wavelet transforms (DWT), discrete cosine transform (DCT) and singular value decomposition (SVD) has been proposed for healthcare applications. For identity authentication purpose, the proposed method uses three watermarks in the form of medical Lump image watermark, the doctor signature/identification code and diagnostic ...A proposed secure multiple watermarking technique based on ...The margin can lead to detect four corners of the desired image to perform recovering process. The proposed watermarking

scheme is based on a new combination of DWT, DCT, and SVD domains, in which the attempt is based on usage of middle frequency components, establishing a trade-off between imperceptibility and robustness. A robust image watermarking method based on DWT, DCT, and ...Most of discrete wavelet transform (DWT) and singular value decomposition (SVD) based approaches highlights tradeoff between fidelity and robustness with lesser discussion on security. Hybrid Robust Watermarking Technique Based on DWT, DCT and SVDDCT based watermarking techniques offer compression while DWT based compression offer scalability. Thus all the three desirable properties can be utilized to create a new robust watermarking technique. In this paper,

we propose a method of non-blind transform domain watermarking based on DWT-DCT-SVD. DWT-DCT-SVD based watermarking - IEEE Conference Publication. The two most commonly used methods are based on DCT-SVD and DWT-SVD. The commonly present disadvantages in traditional watermarking techniques such as inability to withstand attacks are absent in ... (PDF) DWT, DCT and SVD Based Digital Image Watermarking. DWT-SVD based robust and secure watermarking technique is proposed by Singh et al. for medical images. The image watermark is hidden in the RNOI region of the cover image, offering better imperceptibility and hence reducing the distortion in the medical cover image. An improved DWT-SVD domain watermarking for medical

...method based on DCT-DWT-SVD that must satisfy the requirements of watermarking scheme [2]. Watermark insertion is done by reordering the cover image and then applying the transforms. The watermark is embedded in the to the middle frequency bands of the DWT of an image. The proposed approach has ... Robust Image Watermarking based on DCT-DWT-SVD Method. Abstract—This paper presents a DWT-DCT-SVD based hybrid watermarking method for color images. Robustness is achieved by applying DCT to specific wavelet sub-bands and then factorizing each quadrant of frequency sub-band using singular value decomposition. Watermark is embedded in host image by Performance Comparison of DCT and Walsh Transforms for ... A DWT, DCT AND

SVD BASED WATERMARKING TECHNIQUE TO PROTECT THE IMAGE PIRACY Md. Maklachur Rahman¹ ¹Department of Computer Science and Engineering, Chittagong University of Engineering and Technology, Bangladesh mcr.rahman@gmail.com

ABSTRACT With the rapid development of information technology and multimedia, the use of digital data is increasing day by day. A DWT, DCT AND SVD BASED WATERMARKING TECHNIQUE TO PROTECT ...Improvements were investigated using DWT-SVD and DWT-SVD-BFO algorithms. A comparison of these two algorithms for different watermark images on two types of audio input signal is presented here. The whole thesis work is divided into five main chapters with 4th 5th chapter describing proposed algorithm and

results with discussions. Report GitHub - earthat/DWT-SVD: Audio Watermarking by DWT-SVDDWT-SVD. One watermarking scheme is based on SVD of DC coefficients using second level DWT decomposition and other scheme is based on SVD of all DCT values of second level DWT composition of cover image. To check both schemes by Imperceptibility and robustness used PSNR and NC parameters. Key Words: Watermarking, DWT, DCT, SVD, PSNR; NC 1 ...Implementation of DCT DWT SVD based watermarking ...A new approach of nonblind watermarking methods based on DWT and SVD via LU ... in this case, the coefficients of transforms such as discrete cosine transform (DCT), discrete Fourier transform (DFT ... In this study, a novel watermarking algorithm

with the combination of DWT and singular value decomposition (SVD) via lower-and-upper (LU ...A new approach of nonblind watermarking methods based on ...Most of SVD-DWT based image watermarking ... The singular value decomposition (SVD) is an important factorization of a rectangular real or complex matrix. An image could be regarded as a matrix of nonnegative ... (DCT) and discrete wavelet transformation (DWT), ...Digital watermarking using DWT-SVD - IJSERIn this paper we discuss a digital image watermarking algorithm based on Discrete Wavelet Transform - Discrete Cosine Transform -Singular Value Decomposition (DWT-DCT-SVD). Here in this paper we examined and compared various wavelet families such as Haar,

Daubechies, Biorthogonal and Coiflets for the watermarking algorithm.Choice of Wavelet from Wavelet Families for DWT-DCT-SVD ...watermarking algorithm based on DWT, DCT and SVD has been proposed. In this method, the watermarking data can be embedded in singular values of DCT coefficients of middle and high frequency subbands (LH, HL, HH) in DWT domain of selected group of frames. The embedded watermarks are extracted with inverse process of embedding.High Capacity Video Watermarking based on DWT-DCT-SVDIn this paper an algorithm for digital watermarking based on discrete wavelet transforms (DWT), discrete cosine transforms (DCT), and singular value decomposition (SVD) has been proposed. In the embedding process, the host

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In this method, the watermarking data can be embedded in singular values of DCT coefficients of middle and high frequency subbands (LH, HL, HH) in DWT domain of selected group of frames. The embedded watermarks are extracted with inverse process of embedding. High Capacity Video Watermarking based on DWT-DCT-SVD ... With the rapid development of information technology and multimedia, the use of digital data is increasing day by day. So it becomes very essential to protect ...

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Hybrid Technique for Robust and Imperceptible Image ...

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Choice of Wavelet from Wavelet Families for DWT-DCT-SVD ...

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Digital watermarking using DWT-SVD - IJSER

Dwt Dct And Svd Based

SELF-DISCOVERY AND IDENTITY

The style of self-discovery and identity is also discovered in Dwt Dct And Svd Based Digital Image Watermarking. We see characters fighting with their identifications, both as individuals and within society. This motif stresses the importance of self-acceptance and the trip towards recognizing one's real self.

OVERCOMING MISFORTUNE

Finally, guide Dwt Dct And Svd Based Digital Image Watermarking discovers the idea of getting rid of misfortune. We see characters facing significant obstacles and challenges, and just how they browse with them to eventually grow and come to be stronger. This theme emphasizes the strength of the human spirit and the value of determination.

By discovering these significant motifs, Dwt Dct And Svd Based Digital Image Watermarking creates an abundant and appealing story that speaks to the human experience. These styles give readers with a much deeper understanding of the personalities and their inspirations, in addition to the

bigger styles of Dwt Dct And Svd Based Digital Image Watermarking.

PERSONALITY EVALUATION OF DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

In this area, we will explore the major personalities of Dwt Dct And Svd Based Digital Image Watermarking book and carry out a comprehensive personality analysis. With this, we aim to acquire a much deeper understanding of their traits, motivations, and overall development throughout the story.

CHARACTER 1

Character 1 is the lead character of the story and plays a central function in

driving the narrative forward. Their journey is among self-discovery and growth, as they browse the difficulties and barriers presented to them. Via their activities and interactions with others, we acquire understanding right into their complicated individuality and motivations.

PERSONALITY 2

Personality 2 is a sustaining character that works as a foil to Character 1. Their different individuality and worths offer an interesting dynamic and contribute to the total dispute and tension of the story in Dwt Dct And Svd Based Digital Image Watermarking. Via their communications with Personality 1 and various other personalities, we obtain a much deeper understanding of their function in the

narrative and their influence on the tale's motifs.

PERSONALITY 3

Personality 3 is an antagonist who positions a considerable risk to Character 1 and their goals. Through their actions and motivations, we acquire understanding into their very own inner struggles and motivations. By examining their function in the story and their interactions with various other personalities, we can better understand the themes of Dwt Dct And Svd Based Digital Image Watermarking tale and the effect of their activities on the plot.

Implementation of DCT DWT SVD based watermarking ...

Improvements were investigated using

DWT-SVD and DWT-SVD-BFO algorithms. A comparison of these two algorithms for different watermark images on two types of audio input signal is presented here. The whole thesis work is divided into five main chapters with 4th 5th chapter describing proposed algorithm and results with discussions. Report

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[GitHub - earthat/DWT-SVD: Audio](#)

Watermarking by DWT-SVD

With the rapid development of information technology and multimedia, the use of digital data is increasing day by day. So it becomes very essential to protect ...

High Capacity Video Watermarking based on DWT-DCT-SVD

A DWT, DCT AND SVD BASED WATERMARKING TECHNIQUE TO PROTECT THE IMAGE PIRACY Md. Maklachur Rahman¹ ¹Department of Computer Science and Engineering, Chittagong University of Engineering and Technology, Bangladesh mcr.rahman@gmail.com
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A new approach of nonblind watermarking methods based on ...

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Performance Comparison of DCT and Walsh Transforms for ...

A new approach of nonblind watermarking methods based on DWT and SVD via LU ... in this case, the coefficients of transforms such as discrete

cosine transform (DCT), discrete Fourier transform (DFT) ... In this study, a novel watermarking algorithm with the combination of DWT and singular value decomposition (SVD) via lower-and-upper (LU) ...

Via a thorough character analysis, we obtain a deeper understanding of the story's motifs and narrative. Examining the traits, motivations, and advancement of each personality enables us to value the intricacy of Dwt Dct And Svd Based Digital Image Watermarking tale and the author's proficient portrayal of their personalities.

TRICK STORY POINTS OF DWT DCT AND SVD BASED

DIGITAL IMAGE WATERMARKING

Throughout guide, there are numerous crucial story points that drive the narrative onward and form the instructions of the story.

THE INCITING INCIDENT IN DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

The provoking case that establishes the tale right into motion is when the protagonist obtains a strange letter inviting them to a secluded island. This event triggers curiosity and sets the stage for the rest of the story to unravel.

THE DISCOVERY OF THE FIRST BODY

Not long after showing up on the island, the characters uncover the very first body, which sets off a chain of events and elevates the risks of the story. This Dwt Dct And Svd Based Digital Image Watermarking's story point develops a feeling of necessity and danger for the personalities, as they understand they are entrapped on the island with a potential murderer.

THE REVELATION OF THE KILLER'S IDENTITY IN DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

As the tale unfolds, we discover more regarding each character's inspirations and feasible participation in the

murders. The revelation of the awesome's identification is an important story factor that loops the various threads of the tale and provides a satisfying conclusion for the viewers.

THE FINAL FIGHT OF DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

The final fight in between the protagonist and the awesome is a turning point in the story, as the tension and thriller reach their orgasm. This plot factor is important for bringing closure to the story and resolving the problems that have actually been developing throughout Dwt Dct And Svd Based Digital Image Watermarking book.

Overall, these vital plot points work

together to produce a cohesive and appealing story that keeps readers on the edge of their seats. By thoroughly crafting each twist and turn, the author has actually produced a tale that is both satisfying and memorable.

SETTING AND AMBIENCE IN DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING SUMMARY

As we look into the literary globe of Dwt Dct And Svd Based Digital Image Watermarking book, we can not help but be struck by the vibrant and expressive setup that the writer has actually created. The tale takes place in a town nestled in the heart of the countryside, where the rolling hills and substantial

open areas provide a raw contrast to the dynamic city life that a lot of us are accustomed to.

The author's descriptions of the natural landscape are highly sensory, with vivid images that transports the reader into the heart of the tale. We can almost feel the warmth of the sunlight on our skin and hear the rustling of the leaves in the gentle breeze. This interest to information develops an effective sense of environment, as if the setting itself were a personality in Dwt Dct And Svd Based Digital Image Watermarking story.

THE INFLUENCE OF ESTABLISHING ON THE STATE OF MIND

The setup plays an important role in shaping the mood of the tale, creating a

sense of harmony and calm that is at chances with the psychological turmoil that many of the characters are experiencing. This contrast produces a feeling of tension that adds depth and complexity to the narrative.

At the very same time, the setting additionally works as an effective icon of the personalities' needs and aspirations. The large open rooms stand for the endless possibilities that life has to provide, while the enclosed community represents the restrictions that all of us encounter in our day-to-days live. This duality creates an effective sense of definition and vibration that lingers long after Dwt Dct And Svd Based Digital Image Watermarking story has ended.

THE WORTH OF EVOCATIVE LANGUAGE

The author's use language is additionally worth keeping in mind, as it adds an added layer of depth and complexity to the setting and environment. The language is highly poetic and evocative, with rich allegories and detailed expressions that bring the setting to life in brilliant information.

With this use language, the writer has developed an effective sense of immersion, as if we are experiencing the setup and environment firsthand. This immersive high quality is just one of Dwt Dct And Svd Based Digital Image Watermarking's biggest toughness, and it is what makes the tale so remarkable and impactful.

In conclusion, the setup and

environment of Dwt Dct And Svd Based Digital Image Watermarking publication are fundamental to its psychological effect and narrative depth. Through lush summaries and poetic language, the writer has brought the world of the tale to life in dazzling detail, creating a sense of immersion and resonance that lingers long after the final page has been turned.

CREATING STYLE AND LANGUAGE IN DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

As we dive into the composing design and language of this publication Dwt Dct And Svd Based Digital Image Watermarking, we observe that the

author has a distinct and distinct voice that sets them aside from other writers. Their language is precise and nuanced, developing a vibrant and engaging reading experience. The writer expertly uses literary gadgets such as metaphors, similes, and foreshadowing to convey deeper meaning and complexity.

METAPHORS AND SIMILES

The writer frequently uses metaphors and similes to describe characters and occasions in the story. As an example, in one scene of Dwt Dct And Svd Based Digital Image Watermarking, the lead character is described as a "wounded bird with a busted wing," highlighting her vulnerability and the challenges she deals with. One more character is compared to a "serpent in the grass,"

stressing their dishonest nature.

Such figurative language adds depth and complexity to personalities and plot factors, making them a lot more relatable and unforgettable.

DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING FORESHADOWING

The author likewise employs foreshadowing to mean future events and create thriller. In one very early scene, the protagonist notifications a dark and foreboding storm approaching, which later comes to be a pivotal moment in the story. The author utilizes this strategy to keep readers engaged and guessing about what will happen following.

In addition, the writer's writing style and language options are fit to Dwt Dct And Svd Based Digital Image Watermarking's motifs and setting. The story takes place in a sandy and dark city atmosphere, and the author's language reflects this, with harsh and brilliant summaries of the city and its inhabitants. This creates a sense of atmosphere and mood that boosts the analysis experience.

VERDICT

On the whole, the writer's writing style and language are major strengths of this book, attracting readers in and maintaining them involved throughout. Making use of metaphors, similes, and foreshadowing adds depth and intricacy to the characters and Dwt Dct And Svd Based Digital Image Watermarking story,

while also producing an abundant feeling of environment and mood. With their writing, the author has crafted a really immersive and compelling Dwt Dct And Svd Based Digital Image Watermarking story that viewers will bear in mind long after they complete analysis.

DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING FINAL THOUGHT

After carrying out a detailed evaluation of the book Dwt Dct And Svd Based Digital Image Watermarking, we can with confidence claim that it is a provocative and emotionally powerful work of literary works. Through our exploration of the significant themes and

vital plot points, we have obtained a deeper understanding of the story and its personalities.

THE VALUE OF CHARACTER EVALUATION

By taking a look at the inspirations and development of the primary personalities, we had the ability to value the complexity of their partnerships and the impact they carry Dwt Dct And Svd Based Digital Image Watermarking story. The deepness of character analysis enabled us to connect with the characters on a personal degree, allowing us to completely understand their experiences and emotions.

THE SIGNIFICANCE OF ESTABLISHING AND AMBIENCE

The author's attention to information in Dwt Dct And Svd Based Digital Image Watermarking's setup and atmosphere plays a critical function in producing an apparent mood and tone. The brilliant descriptions of the environment heightened our senses, making us feel as though we were living in the world of guide. This contributed to an extra immersive reading experience and a deeper understanding of the story.

THE VALUE OF WRITING STYLE AND LANGUAGE OPTIONS

The writer's writing design and language choices additionally substantially impacted our reading experience. Using

metaphorical language and poetic prose developed a lyrical quality that included in the total charm of this book Dwt Dct And Svd Based Digital Image Watermarking. The writer's words painted a vivid image in our minds, permitting us to totally envision the tale in our heads.

Overall, our analysis of Dwt Dct And Svd Based Digital Image Watermarking has provided us with a rich understanding of the story and its literary potential. We very recommend this book to viewers who are looking for a thought-provoking and emotionally impactful read.

Robust Image Watermarking based on DCT-DWT-SVD Method

The two most commonly used methods are based on DCT-SVD and DWT-SVD.

The commonly present disadvantages in traditional watermarking techniques such as inability to withstand attacks are absent in ...

A Proposed Digital Image Watermarking Based on DWT-DCT-SVD ...

In this paper an algorithm for digital watermarking based on discrete wavelet transforms (DWT), discrete cosine transforms (DCT), and singular value decomposition (SVD) has been proposed. In the embedding process, the host image is decomposed into first level DWTs. Low frequency band (LL) is transformed by DCT and SVD. The watermark image is also transformed by DCT and SVD.

An improved DWT-SVD domain

watermarking for medical ...

Robustness and imperceptibility of watermarked image are two important properties of Digital Watermarking. So they must be taken into consideration. In this paper, a watermarking algorithm of color image is proposed based on Discrete Wavelet Transform, Discrete Cosine Transform and Singular Value Decomposition (DWT-DCT-SVD).

Dwt Dct And Svd Based

In this paper we discuss a digital image watermarking algorithm based on Discrete Wavelet Transform - Discrete Cosine Transform -Singular Value Decomposition (DWT-DCT-SVD). Here in this paper we examined and compared various wavelet families such as Haar, Daubechies, Biorthogonal and Coiflets

for the watermarking algorithm.

(PDF) DWT, DCT and SVD Based Digital Image Watermarking

DCT based watermarking techniques offer compression while DWT based compression offer scalability. Thus all the three desirable properties can be utilized to create a new robust watermarking technique. In this paper, we propose a method of non-blind transform domain watermarking based on DWT-DCT-SVD.

Hybrid Robust Watermarking Technique Based on DWT, DCT and SVD

The margin can lead to detect four corners of the desired image to perform recovering process. The proposed watermarking scheme is based on a new combination of DWT, DCT, and SVD

domains, in which the attempt is based on usage of middle frequency components, establishing a trade-off between imperceptibility and robustness.

REVIEW OF DWT DCT AND SVD BASED DIGITAL IMAGE WATERMARKING

- This book is the first novel of the epic saga of Jean M. Auel Earth's Children series. The novels are set in Prehistoric Europe during the Ice Age, approximately 35,000- 25,000 years ago when the Cro-Magnon and Neanderthal people coexist. This is a marvelous book; it will truly go down as one of the most epic novels of the past 31 years. It is the first volume of a powerful series. This

book takes you away to another time and place and will leave you fascinated with human history, with the Neanderthals, and with the history of civilization. It is a vivid and lucid reconstruction of a long forgotten era. This book is deeply researched and fascinating. Her story provides an insight into the prehistoric life of humans. The series begins with the introduction of the main character, Ayla, and the circumstances that occur that results in her being adopted by "The Clan". Ayla is first presented as a five-year-old girl who had just lost her entire family to an earthquake. Alone and desperate, she wanders in hopes of finding her dead mother. Cold, hungry, and badly injured by a cave lion, she is near death when the Clan of the Cave Bear finds her. This

clan, left homeless by the same disaster, has little interest in the helpless girl who comes from the tribe they refer to as the "Others." Only their medicine woman sees Ayla as a fellow human; worthy of care. Ayla's strange ways challenge the clan who live by ancient beliefs and tradition passed down to them from their ancestors. Ayla represents the physically modern Cro-Magnons. As Ayla begins to grow and mature, her natural tendencies emerge, putting her in the middle of a brutal and dangerous power struggle. From this point on, a strange world unfold. It's a discovery trip for Ayla and the reader. At the same time it allows us a deep insight into "otherness". In a present world that is shrinking and cultural differences arise every minute, Ms Auel's work show the human

common traits that make us kin to every other human being, even if it is as distantly related as a Neanderthal. There are forceful descriptions of Ice Age habitat and Neanderthal culture, shedding light and introspection into hunting methods, social relationships, stone technology, herb doctor techniques, weaponry, the comfort of familiarity with its dogged dogma and whatever other aspect of a civilization one may be interested in. This series really does have everything: joy, sorrow, hope, despair, humor, imagination and a solid chunk of concrete facts. It is essentially a work of fiction, but Auel has done an incredible amount of research and, as a result, the work is replete with details on the way life could have been two hundred and fifty plus centuries ago.

Although set in a prehistoric world of incredible beauty, sadly now lost to us for all time, it shows us that we are indistinguishable from our ancestors of the last Ice Age, & how they had exactly the same basic needs, desires and ambitions that we have now. I am in love with this author's style. At first I was somewhat disconnected, because her technique moves from "head to head." But it works because much of the 'dialogue' in this book is nonverbal. I am in love with Iza, Creb and Ayla's characters, while even nasty Broud is one of my favorites. It's not really that he's a bad guy, he's doing what centuries of evolution has told him is right. Man is the boss, woman is subservient. That Ayla's tribe is a group of humans further up the evolutionary

chain than the clan makes for interesting conflict. I root for her, cringe at the caveman mentality of male/female relationships and sit back in awe at the author's amazing description of how our world was during the ice age. The research she completed is phenomenal; every plant, rock, animal, and person is described in such detail that it comes alive- right out of the pages. The Clan of the Cave Bear was totally and completely spellbinding. Other books in the series are: The Valley of Horses ... Ayla leaves the clan to find others like herself and meets Jondular, the love of her life The Mammoth Hunters ... Ayla's first experience with a group of her own people The Plains of Passage ... Ayla's and Jondular's journey back to Jondular's homeland The Shelters of Stone ... Ayla's

and Jondular's experiences when they arrive back at his home And the newest, the sixth of the series recently released March 29th 2011: The Land of Painted Caves ... It's been 31 years since readers were introduced to the first book in Jean Auel's Earth's Children series, "The Clan of the Cave Bear." The Land of Painted Caves," her sixth and final installment, picks up where "The Shelters of Stone" left off. Ayla is now mated to Jondular and mother to a baby girl, Jonayla. She's come a long way from the outcast of the first book. Over the years, her journey has engrossed fans and turned the series into a bestselling phenomenon -- more than 45 million books sold. No small feat considering that the books average about 600+ pages. But readers have loved the uncertainty of Ayla's

hazardous future as well as the detail Auel brings to Ayla's world. (The only thing more detailed than one of Auel's descriptive passages is probably an entry in an encyclopedia.)

- this book opened my mind to the life of the first people and struggles they endured. she showed rational method as

to how many discoveries could have come about. riding a horse for the first time must have been a true sight, it is taken for granted by us today but can you imagine what it must have been like to witness this for the first time. i have read all her books several times and been just as awe struck by every one.