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Supernovae as Distance Indicators Springer

The concept of phase space plays a decisive role in the study of the transition from classical to quantum physics. This is particularly the case in areas such as nonlinear dynamics and chaos, geometric quantization and the study of the various semi-classical theories, which are the setting of the present volume. Much of the content is devoted to the study of the Wigner distribution. This volume gives the first complete survey of the progress made by both mathematicians and physicists. It will serve as an excellent reference for further research.

Executive Sessions of the Senate Foreign Relations Committee Springer

From the New York Times bestselling author of *The Gutsy Girl* comes this provocative, compelling novel of irrevocable consequences for people thrust unwittingly into a devastating war of nations and American identity—based on a little-known true event. December 1941. The inhabitants of Niihau lead a simple life. Mostly Hawaiian natives, they work the ranch of Niihau's eccentric haole owner, who keeps his island totally isolated from the outside world, devoid of cars, phones, and electricity. But then a plane crash-lands there, and although the villagers rescue the pilot, they have no idea that he has just attacked Pearl Harbor. War has now come to Eden, slowly undoing its tranquillity, widening the cracks in the already troubled marriage of Irene and Yoshio Harada, the island's only Japanese-American couple. It will test everyone's loyalties and all they believe in . . . as Paradise, once within reach, slowly falls victim to its own isolated innocence.

Sink or Swim Springer

These fun-filled chapter books mix school, monsters, and common kid problems with hilarious results. You'll scream with laughter! Oh, no! It's the class trip from the Black Lagoon. The kids have no idea where they're going but they imagine a day full of ferocious animals, maniacal monsters, and scary aerial acrobatics. And their teacher, mean Mrs. Green, is going to quiz them on everything! When the kids stop letting their imaginations run wild they soon realize that they're going to a very cool zoo. But that won't change the fact that there's never a dull moment in the Black Lagoon!

The Nature of Biological Systems as Revealed by Thermal Methods
CRC Press

Considers Tonkin Gulf incidents of August 2 and 4, 1964, during which two U.S. destroyers, operating in international waters, apparently came under attack by North Vietnamese torpedo boats. U.S. responded with an air strike on facilities that supported the attacking torpedo boats.

The Gulf of Tonkin, the 1964 Incidents Carina Press

It is becoming crucial to accurately estimate and monitor speech quality in various ambient environments to guarantee high quality speech communication. This practical hands-on book shows speech intelligibility measurement methods so that the readers can start measuring or estimating speech intelligibility of their own system. The book also introduces subjective and objective speech quality measures, and describes in detail speech intelligibility measurement methods. It introduces a diagnostic rhyme test which uses rhyming word-pairs, and includes: An investigation into the effect of word familiarity on speech intelligibility. Speech intelligibility measurement of localized speech in virtual 3-D acoustic space using the rhyme test. Estimation of speech intelligibility using objective measures, including the ITU standard PESQ measures, and automatic speech recognizers.

Supercomputing Springer Science & Business Media

"Albert makes a deeper and more sensitive investigation into what love is than most romances." —New York Times Book Review on *Conventionally Yours* Winning and losing are subject to sexy interpretation... Navy chief Calder Euler loves to win big. His latest score? A remote mountain cabin. Checking it out is supposed to be a quick trip, but Calder's luck abruptly turns when a freak injury and a freakier snowstorm leave him stranded. Oh, and the cabin isn't empty. A silver fox caring for two young girls claims that the property is his, but Calder's paperwork says otherwise. Felix Sigurd is on a losing streak, and his ex-husband risking the cabin in a reckless bet is only the latest in a series of misfortunes. He'll tolerate the handsome stranger for a couple nights--even care for his injuries—but that's it. Calder doesn't know a damn thing about kids, but making pancakes for Felix's girls is a surprising delight. Trapped in the cabin, the four of them slip easily into the rhythms of a family. But when the ice melts, they'll have to decide if a future together is in the cards. Carina Adores is home to romantic love stories where LGBTQ+ characters find their happily-ever-afters. Shore Leave Book 1: Sailor Proof Book 2: Sink or Swim Also by Annabeth Albert: Out of Uniform Book 1: Off Base Book 2: At Attention Book 3: On Point Book 4: Wheels Up Book 5: Squared Away Book 6: Tight Quarters Book 7: Rough Terrain

The Physics of Phase Space Ben Uri Gallery & Museum

Volume 2 of the book 'Sand Dunes of the Northern Hemisphere' is sub-titled Characteristics, Dynamics and Provenance of Sand Dunes in the Northern Hemisphere. It brings together a vast body of information and insight into sand dune and desert systems from North Asia, Central Asia, North Africa and the Middle East. Chapters from the Russian Federation include studies on dune systems within the permafrost zone and there is a case study from temperate zone dune system in coastal Japan. Volume 2: Characteristics, Dynamics and Provenance of Sand Dunes in the Northern Hemisphere of 16 chapters in three Parts, focusses on Saharan Africa, Egypt, and Middle East and gives attention to sand mobility and encroachment with case studies from a number of countries where these matters are of concern. We also include chapters on the remote dunes in the permafrost zone and in the hyper-arid deserts of Iran. Case studies are used to highlight the characteristics of dunes and their interaction with humans in several widely divergent settings. Volume 2 concludes with some musing on the value of study of the past as key to the future and speculates on what the future might hold in the light of a warmer and drier Earth and a rise in sea level that threaten large tracts of low-lying land with marine incursions and destruction from storm surge. PART 4 Sand Mobility and Encroachment The seven chapters in this Part examine the real-world impact of sand encroachment and dune migration on people and their economic activities and the health, welfare and financial implications related to destruction of infrastructure, including human habitations. PART 5 Sand Dune Landscapes Distribution, Formation and Management Seven Case studies from several geographic regions in Africa, the Middle East, north-east Asia are presented here to demonstrate the underlying mechanisms in dune formation and the diverse approaches to their management. Human impacts such as sand mining, tourism development, combine with natural forces like climate variability to challenge the realization of an optimum management strategy. PART 6 Concluding Thoughts: Coping with an Unknown Future from a Little-known Past The two chapters in Part 6 have special roles. We are privileged to publish new research findings that are summarized here in Chapter 38 from extensive and detailed work conducted in the Kyzyl Kum, and Karakum sand seas of Central Asia. There is a strong belief that further study of the little-known past such as revealed in this study could unlock clues as to what a future Earth might look like. This leads on to speculation in Chapter 39 about the implications of what we already know about global change (not only climate change) and the impact of the Anthropocene on the dune systems, both inland and coastal. Sea level rise, marine incursions and an increase in extreme weather events will affect dune systems and sand seas on the Northern Hemisphere (and beyond).

Freight Transport Springer Science & Business Media

MAJOR BHAAJAN RETURNS. Book three in the Skolian Empire Major Bhaajan series by Catherine Asaro. SURVIVE THE CITY OF CRIES Bhaajan grew up in the Undercity, a community hidden in the ruins buried beneath the glittering City of Cries. Caught between the astonishing beauty and crushing poverty of that life, and caught by wanderlust, she enlisted in the military. Now retired, Major Bhaajan is a private investigator who solves cases for the House of Majda, a powerful royal family centered in Cries. The powerful elite of the City of Cries are disappearing, and only Bhaajan, who grew up in the Undercity, can find them—if she isn't murdered first. At the publisher's request, this title is sold without DRM (Digital Rights Management). About the Major Bhaajan series: ". . . riveting. . . . The world is rich and vivid, with two distinct cultures in the Undercity and the aboveground City of Cries. This exciting novel stands alone for anyone who enjoys science fiction adventure."—Publishers Weekly (starred review) "Asaro plants herself firmly into that grand SF tradition of future history franchises favored by luminaries like Heinlein, Asimov, Herbert, Anderson, Dickson, Niven, Cherryh, and Baxter . . . They don't write em like that anymore! Except Asaro does, with . . . up-to-the-minute savvy!"—Locus "Baahjan, who starts out keeping an emotional distance from the people in the Undercity soon grows to think of them as her community once more. Asaro . . . returns to the Skolian empire's early history to tell Bhaajan's story."—Booklist "Asaro delivers a

tale rich with the embedded history of her world and bright with technical marvels. Her characters are engaging and intriguing and there is even a bit of romance. What really touched my heart was Bhaaj's interaction with the children of the aqueducts. I spent the last fifty pages of the book sniffing into a tissue."—SFcrowsnest "I'm hooked, both on her writing and her Skolian universe. This book had everything I wanted: strong characters, a new and unique world, and a plot that isn't as simple as it first appears."—TerryTalk About the Skolian Saga: "Entertaining mix of hard SF and romance."—Publishers Weekly "Asaro's Skolian saga is now nearly as long and in many ways as compelling as Dune, if not more so, featuring a multitude of stronger female characters."—Booklist "Rapid pacing and gripping suspense."—Publishers Weekly

The Key to English John Wiley & Sons

In perceiving all rap and hip-hop music as violent, misogynistic, and sexually charged, are we denying the way in which it is attentive to the lived experiences, both positive and negative, of many therapy clients? This question is explored in great depth in this anthology, the first to examine the use of this musical genre in the therapeutic context. The contributors are all experienced therapists who examine the multiple ways that rap and hip-hop can be used in therapy by listening and discussing, performing, creating, or improvising. The text is divided into three sections that explore the historical and theoretical perspectives of rap and hip-hop in therapy, describe the first-hand experiences of using the music with at-risk youth, and discuss the ways in which contributors have used rap and hip-hop with clients with specific diagnoses, respectively. Within these sections, the contributors provide rationale for the use of rap and hip-hop in therapy and encourage therapists to validate the experiences for those for whom rap music is a significant mode of expression. Editors Susan Hadley and George Yancy go beyond promoting culturally competent therapy to creating a paradigm shift in the field, one that speaks to the problematic ways in which rap and hip-hop have been dismissed as expressive of meaningless violence and of little social value. More than providing tools to incorporate rap into therapy, this text enhances the therapist's cultural and professional repertoire.

The Class Trip from the Black Lagoon (Black Lagoon Adventures #1) IOS Press

Increasing concern with fuel consumption leads to widespread interest in lightweight structures for transportation vehicles. Several competing technologies are available for the structural connections of these structures, namely welding, mechanical fastening / riveting, and adhesive technologies.

Arranged in a single volume, this work is to presents state-of-the-art discussions of those aspects and processes presenting greater novelty whilst simultaneously keeping wide applicability potential and interest. The topics chosen have the common feature of being of currently applied in lightweight structures, and one of the characteristics of this work is bringing together relevant state-of-the-art information usually presented in separate publications specializing in a single technology. The book provides discussions and examples of concrete applications, so that it appeals to researchers and designers and engineers involved in the design and fabrication of lightweight structures.

The Challenge of Change: Dealing with the Legacy of the Modern Movement Springer

These days human beings have a profound influence on aspects of the planetary ecosystem, e.g. on climate change and biodiversity, to name only two. This manual is intended to help practitioners, who are dealing with human-based rural and urban settlement-ecosystems, in the key steps towards their realization (design, implementation, and operation) and helpful for all, who are concerned about ensuring their practical sustainability. The ecosystem-approach is holistic and integrative, encompassing various disciplines like architecture, landscape architecture, environmental engineering, social sciences, life sciences, ecology, and

management. It also considers issues such as energy-savings, ecological cycles, reuse, natural resources, socio-cultural background, real participation, and holistic quality management. Thus it not only explains the general concept, the steps of realization and the respective involved stakeholders, but also gives hints and tools for practitioners. The information, recommendations and tools are directed to the following target groups, among others: • Local planning authorities (giving hints for the procedure and the involved stakeholders) • Designers (holistic approach, procedures, tools) • Regulatory bodies, licensing and financing authorities (requirements for approach and procedures) • Construction and implementing firms and institutions (recommendations, tools) • Operating bodies (hints for operation, tools) The experiences are based on a joint German-Ghanaian program at Valley View University, the biggest private university in Ghana, intended to help realize the vision of a truly holistic ecological university. It was financed originally by the German Ministry of Education and Research and recently by the German Ministry for the Environment in the frame of the Climate Change Initiative of the Federal Government of Germany.

Structural Connections for Lightweight Metallic Structures Harper Collins

"In the early 1920s, a group of Dutch artists and architects influenced by some of the ideas of Dada, formed a movement called De Stijl (The Style). The Story of De Stijl presents work by Piet Mondrian, Theo van Doesburg, Gerrit Rietveld, and the other members of this influential group, as well as archival photographs of the artists. The authors - experts in this seminal abstract style that encompassed painting, sculpture, architecture, interior design, and more - explore the evolution of the movement not just through traditional art-historical analysis, but also through anecdotes, conversations, articles, and other contemporary sources. With more than 325 colour illustrations, The Story of De Stijl makes clear the lasting importance and influence of this once avant-garde movement"-- Publicaciones Arquitectura y Arte.

The Fundamentals of Electron Density, Density Matrix and Density Functional Theory in Atoms, Molecules and the Solid State IOS Press

This volume of the Lecture Notes in Computer Science series provides a comprehensive, state-of-the-art survey of recent advances in string processing and information retrieval. It includes invited and research papers presented at the 10th International Symposium on String Processing and Information Retrieval, SPIRE 2003, held in Manaus, Brazil. SPIRE 2003 received 54 full submissions from 17 countries, namely: - gentina(2), Australia(2), Brazil(9),Canada(1),Chile (4),Colombia(2),Czech Republic (1), Finland (10), France (1), Japan (2), Korea (5), Malaysia (1), Portugal (2), Spain (6), Turkey (1), UK (1), USA (4) – the numbers in parentheses indicate the number of submissions from that country. In the nontrivial task of selecting the papers to be published in these proceedings we were fortunate to count on a very international program committee with 43 members, representing all continents but one. These people, in turn, used the help of 40 external referees. During the review process all but a few papers had four reviews instead of the usual three, and at the end 21 submissions were accepted to be published as full papers, yielding an acceptance rate of about 38%. An additional set of six short papers was also accepted. The technical program spans over the two well-defined scopes of SPIRE (string processing and information retrieval) with a number of papers also focusing on important application domains such as bioinformatics. SPIRE 2003 also features two invited speakers: Krishna Bharat (Google, Inc.) and João Meidanis (State Univ. of Campinas and Scylla Bioinformatics).

Area Handbook for Malawi Springer Science & Business Media

This volume records the proceedings of a Forum on The Fundamentals of Electron Density, Density Matrix and Density Functional Theory in Atoms, Molecules and the Solid State held at the Cosensers' House, Abingdon-on-Thames, Oxon. over the period 31st May - 2nd June, 2002. The forum consisted of 26 oral and poster presentations followed by a discussion structure around questions and comments

submitted by the participants (and others who had expressed an interest) in advance of the meeting. Quantum mechanics provides a theoretical foundation for our understanding of the structure and properties of atoms, molecules and the solid state in terms their component particles, electrons and nuclei. (Relativistic quantum mechanics is required for molecular systems containing heavy atoms.) However, the solution of the equations of quantum mechanics yields a function, a wave function, which depends on the coordinates, both space and spin, of all of the particles in the system. This function contains much more information than is required to yield the energy or other property.

Strings and Fundamental Physics Wiley

Conservation of architecture - and the conversation of Modern architecture in particular – has assumed new challenges. Rather than attempting to return a Modern building to its resumed original state, the challenge of these proceedings is to revalue the essence of the manifold manifestations of Modern architecture and redefine its meanings in a rapidly changing world of digital revolution, worldwide mobility and environmental awareness. This volume aims to provide a variety of platforms for the exchange of ideas and experience. A large, international group of architects, historians, scholars, preservationists and other parties involved in the processes of preserving, renovating and transforming Modern buildings has been invited to investigate the paradox of the Modern monument, and to reflect on the manifold dilemmas of change and continuity. The general theme is elaborated through five sub-themes. The sub-theme 'Change and Continuity' addresses the tensions between change and continuity from a historical-theoretical perspective. 'Restructuring Cities and Landscapes' focuses on the larger scale of city and landscape, while 'Shifts in Programme and Flexibility' draws attention to the scale of the building or building complex, and questions limits of re-use and flexibility. The fourth sub-theme deals with education and the fifth sub-theme 'Progress, Technology and Sustainability' considers specific issues of techniques and materials.

The Vietnam Hearings Springer Science & Business Media

: The Square Kilometre Array (SKA) will provide more than one order of magnitude improvement in sensitivity compared with any existing radio telescope over a wavelength range of several hundred to one, from decametric to microwave wavelengths. It will revolutionize the study of the most abundant element in the Universe, hydrogen, from the epoch of reionisation to the present-day, probing the onset formation period of the very first stars, will closely scan proto-planets and, through the precision timing of pulsars, will detect the distortions of space-time due to gravitational radiation. The SKA is a sensing network spanning 3000 km from its centre and with a collecting area of more than 1 square kilometre, using technologies of the 21st century. The SKA will make the study of a wide range of phenomena initially studied at other wavelengths possible at radio wavelengths, as well as opening a new discovery window on new phenomena at radio wavelengths. Symposium 7 of the JENAM 2010 aimed at bringing these diverse opportunities to the attention of both theoretical and observational astronomers working at all wavelengths, including the potential for synergies with other facilities. The meeting highlighted the scientific potential of the SKA, discussed scientific priorities and their impact on the design of the SKA, explored the synergies between the SKA and other next-generation astronomical facilities in different wavelength domains

such as the ALMA, ELTs, LSST, JWST, GRE, IXO, Gaia and Euclid, and high-energy facilities (Auger), explored the “cyber–infrastructure” that may become available for the distribution and distributed analysis of SKA data.

String Processing and Information Retrieval Baen Books

For years, many of Twain’s philosophical, religious, and historical fantasies concerning the nature and condition of humanity remained unpublished. Thirty-six of these writings make their first appearance here.

Subjective Quality Measurement of Speech Springer

The basic idea, simple and revolutionary at the same time, to replace the concept of a point particle with a one-dimensional string, has opened up a whole new field of research. Even today, four decades later, its multifaceted consequences are still not fully conceivable. Up to now string theory has offered a new way to view each particle: as different excitations of the same fundamental object. It has celebrated success in discovering the graviton in its spectrum, and it has naturally led scientists to posit space-times with more than four dimensions—which in turn has triggered numerous interesting developments in fields as varied as condensed matter physics and pure mathematics. This book collects pedagogical lectures by leading experts in string theory, introducing the non-specialist reader to some of the newest developments in the field. The carefully selected topics are at the cutting edge of research in string theory and include new developments in topological strings, or AdS/CFT dualities, as well as newly emerging subfields such as doubled field theory and holography in the hydrodynamic regime. The contributions to this book have been selected and arranged in such a way as to form a self-contained, graduate level textbook.

Sand Dunes of the Northern Hemisphere: Distribution, Formation, Migration and Management

Springer Science & Business Media

These proceedings capture papers presented at the third International Conferences on Sustainable Automotive Technologies (ICSAT), held at the Clemson University International Center for Automotive Research (CU-ICAR), Greenville, South Carolina, USA, during 5-6 April 2011. ICSAT is the state-of-the-art conference in the field of new technologies for transportation. The book summarizes all important trends in sustainability of automotive development today with a special focus on materials, propulsion technologies as well as manufacturing issues. It provides a brief selection of papers and key-note speakers of the conference. Papers from the US, Australia, Europe and Asia are showing the lighthouse character of the conference, in a field which gains more and more importance as far as emissions and the lack of fossil fuels in the future are concerned. The book provides a very good overview of R&D activities at OEMs as well as in leading universities and laboratories; the special focus is on new ideas for sustainable mobility.

Therapeutic Uses of Rap and Hip-Hop Springer

The proposed book will offer comprehensive and versatile methodologies and recommendations on how to determine dynamic characteristics of typical micro- and opto-electronic structural elements (printed circuit boards, solder joints, heavy devices, etc.) and how to design a viable and reliable structure that would be able to withstand high-level dynamic loading. Particular attention will be given to portable devices and systems designed for operation in harsh environments (such as automotive, aerospace, military, etc.) In-depth discussion from a mechanical engineer’s viewpoint will be conducted to the key components’ level as well as the whole device level. Both theoretical (analytical and computer-aided) and experimental methods of analysis will be addressed. The authors will identify how the failure control parameters (e.g. displacement, strain and stress) of the vulnerable components may be affected by the external vibration or shock loading, as well as by the internal parameters of the infrastructure of the device. Guidelines for material selection, effective protection and test methods will

be developed for engineering practice.