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Interplay 11th Ed Unknown MIR Title Language in the Visual Arts The Human Respiratory System Historical Interplay in French Music and Culture, 1860-1960 A Comprehensible Universe The Interplay Between Competition Law and Intellectual Property Metaphysical Community Female Circumcision Interplay: Interactive Design Measured Tones Proteins, Enzymes, Genes Living, Loving and Loss Functional Brain-Heart Interplay Public Policy and the Mass Media Pictures of Innocence Circles Disturbed Human Smart Cities Lost & Found The Anthropocenic Turn Women of the Right Mozart's Music of Friends Anarchy & Order The Handbook of Culture and Biology Poetic Interplay Scripting Computer-Supported Collaborative Learning Regional Fisheries Management Organizations Rajaraja Chola: Interplay Between an Imperial Regime and Productive Forces of Society The Visible and the Invisible in the Interplay between Philosophy, Literature and Reality Interplay 2 Transforming Assessment The Extraterritoriality of Law Mathematical Knowledge and the Interplay of Practices Discourse and Literature The Dynamic Interplay between Context and the Language Learner Return to the Interactive Past A Companion to the Achaemenid Persian Empire, 2 Volume Set Cultural Interplay in the Eighth Century Self-Study in Physical Education Teacher Education The Feminine Mystique

Self-Study in Physical Education Teacher Education Mar 07 2021 In this in-depth examination of self-study as a research methodology, an international selection of physical education scholars share their ideas and experiences and consider the value of self-study as a vector for highlighting the emerging conflicts, dilemmas, and debates currently developing in teaching and teacher education pedagogies. A vital new addition to Springer's series Self-Study of Teacher Education Practices, the volume is divided into three sections assessing the significance of the approach itself, offering detailed subject-relevant case studies, and exploring the nuances and controversies attending the evolution of the methodology. The contributors show how self-study enables reflexivity in pedagogical practice, a notable lacuna in current critical research, and at the same time they make the technique accessible to scholars of physical education wanting a practicable introduction to the subject. The analysis also explores the implications of applying self-study to pedagogy itself, to the curriculum, and to human movement and educational practice more generally. By embracing more organic, emergent notions of research practice and learning, the book achieves a broader and more inclusive survey of pedagogical work in physical education teacher education that fully acknowledges the complexities of the field.

A Comprehensible Universe Jan 09 2024 Why is our world comprehensible? This question seems so trivial that few people have dared to ask it. In this book we explore the deep roots of the mystery of rationality. The inquiry into the rationality of the world began over two-and-a-half-thousand years ago, when a few courageous people tried to understand the world with the help of reason alone, rejecting the comforting fabric of myth and legend. After many philosophical and theological adventures the Greek concept of rationality laid the foundations of a revolutionary way of thinking: the scientific method, which transformed the world. But looking at the newest fruits of the world's rationality - relativity theory, quantum mechanics, the unification of physics, quantum gravity - the question arises: what are the limits of the scientific method? The principal tenet of rationality is that you should never stop asking questions until everything has been answered ... "A Comprehensible Universe is a thoughtful book by two authors who have professional expertise in physics and astronomy and also in theology. They are exceptionally well informed about the history of the relation between science and theology, and they maintain throughout their discussion a respect for empirical evidence and a dedication to rationality. Even though I do not agree with all of their conclusions on matters of great complexity I am impressed by the fairness of their argumentation." Abner Shimony, Professor Emeritus of Philosophy and Physics, Boston University

Return to the Interactive Past Jun 09 2021 A defining fixture of our contemporary world, video games offer a rich spectrum of engagements with the past. Beyond a source of entertainment, video games are cultural expressions that support and influence social interactions. Games educate, bring enjoyment, and encourage reflection. They are intricate achievements of coding and creative works of art. Histories, ranging from the personal to the global, are reinterpreted and retold for broad audiences in playful, digital experiences. The medium also magnifies our already complicated and confrontational relation with the past, for instance through its overreliance on violent and discriminatory game mechanics. This book continues an interdisciplinary conversation on game development and play, working towards a better understanding of how we represent and experience the past in the present. Return to the Interactive Past offers a new collection of engaging writings by game creators, historians, computer scientists, archaeologists, and others. It shows us the thoughtful processes developers go through when they design games, as well as the complex ways in which players interact with games. Building on the themes explored in the book *The Interactive Past* (2017), the authors go back to the past to raise new issues. How can you sensitively and evocatively use veterans' voices to make a video game that is not about combat? How can the development of an old video game be reconstructed on the basis of its code and historic hardware limitations? Could hacking be a way to decolonize games and counter harmful stereotypes? When archaeologists study games, what kinds of maps do they draw for their digital fieldwork? And in which ways could we teach history through playing games and game-making?

The Interplay Between Competition Law and Intellectual Property Dec 08 2023 Although competition law and intellectual property are often interwoven, until this book there has been little guidance on how they work together in practice. As the intersection between the two fields continues to grow worldwide, both in case law and in regulation, the book's markets-based approach, focusing on sectors such as pharmaceuticals, IT, telecoms, energy and agriculture in eleven of the world's most active jurisdictions, provides a much-needed in-depth understanding of how this interplay reveals itself among the different legal systems. Written by a range of authors including judges, regulators, academics, economists and practitioners in both fields, the book provides an international comparative perspective as well as detailed analysis of specific cases, policies and proposals for change. Among the issues and topics covered are the following: - free movement of goods and the protection of intellectual property rights; - standard essential patents & injunction in patent cases; - intellectual property rights between technological development and consumer protection; - geo-blocking; - online platforms and antitrust; - excessive prices. In this context, special attention is paid throughout to the increasing dialogue among Competition Authorities and between Judges and Competition Authorities around the world. As matchless remedy for the lack of uniformity heretofore, the book's investigation of the nexus between competition law and intellectual property in different sectors and in various countries takes a giant step towards a more-balanced approach and more-levelled regulation and practices. It will be warmly appreciated by policy makers, decision makers, regulators, practitioners and academics in both competition law and intellectual property fields

Human Smart Cities Dec 28 2022 Within the most recent discussion on smart cities and the way this vision is affecting urban changes and dynamics, this book explores the interplay between planning and design both at the level of the design and planning domains' theories and practices. Urban transformation is widely recognized as a complex phenomenon, rich in uncertainty. It is the unpredictable consequence of complex interplay between urban forces (both top-down or bottom-up), urban resources (spatial, social, economic and infrastructural as well as political or cognitive) and transformation opportunities (endogenous or exogenous). The recent attention to Urban Living Lab and Smart City initiatives is disclosing a promising bridge between the micro-scale environments, with the dynamics of such forces and resources, and the urban governance mechanisms. This bridge is represented by those urban collaborative environments, where processes of smart service co-design take place through dialogic interaction with and among citizens within a situated and cultural-specific frame.

Women of the Right Sep 24 2022 In *Women of the Right*, Kathleen M. Blee and Sandra McGee Deutsch bring together a groundbreaking collection of essays examining women in right-wing politics across the world, from the early twentieth-century white Afrikaner movement in South Africa to the supporters of Sarah Palin today. The volume introduces a truly global perspective on how women matter in the national and transnational links and exchanges of rightist politics. Suitable for classroom use, it sets a new agenda for scholarship on women on the right. Aside from the editors, the

contributors are Nancy Aguirre, Karla J. Cunningham, Kirsten Delegard, Kathleen M. Fallon, Kate Hallgren, Randolph Hollingsworth, Jill Irvine, Vandana Joshi, Carol S. Lilly, Annette Linden, Julie Moreau, Margaret Power, Mariela Rubinzal, Daniella Sarnoff, Ronnee Schreiber, Meera Sehgal, Louise Vincent, and Veronica A. Wilson.

The Visible and the Invisible in the Interplay between Philosophy, Literature and Reality Jan 17 2022 Merleau-Ponty's categories of the visible and the invisible are investigated afresh and with originality in this penetrating collection of literary and philosophical inquiries. Going beyond the traditional and current references to the mental and the sensory, mind and body, perceptual content and the abstract ideas conveyed in language, etc., these studies range from the 'hidden spheres of reality', to the play of the visible and the invisible left as traces in works of human genius, the origins of intellect and language, the real and the imaginary in literature, and the 'hidden realities' in the philosophy of the everyday world. These literary and philosophical probings collectively reveal the role of this disjoined/conjoined pairing in the onto-poietic establishment of reality, that is, in the manifestation of the logos of life. In tandem they bring to light the hidden play of the visible and the invisible in the emergence of our vital, societal, intimate, intellectual, and creative involvements.

Proteins, Enzymes, Genes Jul 03 2023 In this book a distinguished scientist-historian offers a critical account of how biochemistry and molecular biology emerged as major scientific disciplines from the interplay of chemical and biological ideas and practice. Joseph S. Fruton traces the historical development of these disciplines from antiquity to the present time, examines their institutional settings, and discusses their impact on medical, pharmaceutical, and agricultural practice.

Female Circumcision Oct 06 2023 A Kenyan woman theologian--"an insider"--examines arguments for and against the controversial practice of female circumcision. Based on her interviews with fifty Kenyan women representing Christianity, Islam, African Initiated Churches, and traditional religion, Wangila emphasizes the importance of understanding the gender relationships and cultural beliefs behind the practice and the important role played by religion.

Measured Tones Aug 04 2023 Most books concerned with physics and music take an approach that puts physical theory before application. Consequently, these works tend to dampen aesthetic fascination with preludes burdened by an overabundance of algebraic formulae. In *Measured Tones: The Interplay of Physics and Music* Third Edition, Ian Johnston a professor of astrophysics and

Rajaraja Chola: Interplay Between an Imperial Regime and Productive Forces of Society Feb 15 2022 When Rajaraja Chola ascended the throne, the land of Tamils entered upon centuries of grandeur. He left behind a stupendous legacy, which has not lost its sheen even after a thousand years. During his regime, we see powerful productive forces at work, newly liberated by the advances made in manufacturing and trade. Through interesting facts and riveting analyses, the reader can vividly experience the tumultuous developments of this period. It brings to life the social, political and economic underpinnings of that time - expansion of agriculture, rise of nagarams, maturing of self-governing corporate bodies, phenomenal increase in inland and overseas trade networks, and overall strengthening of the administrative and military apparatus, which would later bring South-east Asia under its influence. Equally important to the stability of the empire was the compelling iconography of Saivism, which this book presents in a sublime and engrossing style. Written by Raghavan Srinivasan, the author of *Yugantar*, this book recreates the history of a South Indian king and his imperial empire, in a form that would appeal to the academia and the wider public audience alike. "A rousing attempt at piecing together the lives and times of the Tamil country's most remarkable medieval personality, Rajaraja Chola, who despite the rich artistic legacy, plethora of inscriptions and maritime ambitions, has remained an enigmatic figure." - SHARADA SRINIVASAM, Professor, School of Humanities, National Institute of Advanced Studies.

Transforming Assessment Nov 14 2021 This book reports the results of a research project that investigated assessment methods aimed at supporting and improving inquiry-based approaches in European science, technology and mathematics (STM) education. The findings were used to influence policy makers with guidelines for ensuring that assessment enhances learning. The book provides insights about: - The concept of competence within the STM domains and its relevance for education - The conceptualisation and teaching of four key competences: scientific inquiry, mathematical problem-solving, design processes, and innovation. - Fundamental aspects of the two main purposes of assessment, formative and summative, the relations between the two purposes and ways of linking them. - The main challenges related to the uptake of formative assessment in daily teaching-learning practices in STM and specifically, the usability of formative on-the-fly dialogue, structured assessment dialogue, peer assessment and written teacher feedback. - The systemic support measures and tools teachers need in order to integrate formative assessment of student learning into their classroom practices and how it can conflict with summative assessment practices. - How research-based strategies for the formative use of assessment can be adapted to various European educational traditions to ensure their effective use and avoid undesirable consequences. - How relevant stakeholders can be invited to take co-ownership of research results and how a productive partnership between researchers, policy makers, and teachers can be established. - Concrete research vistas that are still needed in international assessment research.

Functional Brain-Heart Interplay May 01 2023 This monograph offers a cross-system exchange and cross-modality investigation into brain-heart interplay. Brain-Heart Interplay (BHI) is a highly interdisciplinary scientific topic, which spreads from the physiology of the Central/Autonomous Nervous Systems, especially Central Autonomic Network, to advanced signal processing and modeling for its activity quantification. Motivated by clinical evidence and supported by recent findings in neurophysiology, this monograph first explores the definition of basic Brain-Heart Interplay quantifiers, and then moves onto advanced methods for the assessment of health and disease states. Non-invasive use of brain monitoring techniques, including electroencephalogram and function Magnetic Resonance Imaging, will be described together with heartbeat dynamics monitoring through pulseoximeter and ECG signals. The audience of this book comprises especially of biomedical engineers and medical doctors with expertise in statistics and/or signal processing. Researchers in the fields of cardiology, neurology, psychiatry, and neuroscience in general may be interested as well.

Regional Fisheries Management Organizations Mar 19 2022 This book analyzes empirical data from three specific Regional Fisheries Management Organizations (RFMOs) designed to establish rules for the conservation and management of fish stocks in the ocean, in order to assess their effectiveness in converting science into policy for the recovery and maintenance of fishery populations. The three RFMOs discussed are the CCAMLR (Convention for the Conservation of Antarctic Marine Living Resources), the ICCAT (International Commission for the Conservation of Atlantic Tunas) and the CCSBT (Commission for the Conservation of Southern Bluefin Tuna). The book seeks to understand when governments choose to listen to science, and establishes a framework to examine the institutional designs currently in place to accommodate RFMO policy suggestions and the conditions under which they are implemented successfully. The study will be of interest to academics and professionals broadly interested in global environmental governance and international relations, and will specifically appeal to policymakers, conservationists, and environmental researchers interested in fishery management and policy at the global and regional scale. Gonçalves provides an accessible and comprehensive analysis of RFMOs. She offers valuable insights into the role of science and politics in shaping sustainable fisheries policies for the open oceans. ---Peter M Haas, Professor Department of Political Science, University of Massachusetts Amherst As envisaged by the UN Decade of Ocean proclamation, this book is an important and sincere effort, hopefully to be accompanied by many others to come during this promising decade, that will help to build a common framework to ensure that ocean science can support countries and the international community in creating improved conditions for the sustainable development of our cherished Ocean. ---Fabio H. Hazin - Professor at Federal Rural University of Pernambuco, Brazil

The Extraterritoriality of Law Oct 14 2021 Questions of legal extraterritoriality figure prominently in scholarship on legal pluralism, transnational legal studies, international investment law, international human rights law, state responsibility under international law, and a large number of other areas. Yet many accounts of extraterritoriality make little effort to grapple with its thorny conceptual history, shifting theoretical valence, and complex political roots and ramifications. This book brings together thirteen scholars of law, history, and politics in order to reconsider the history, theory, and contemporary relevance of legal extraterritoriality. Situating questions of extraterritoriality in a set of broader investigations into state-building, imperialist rivalry, capitalist expansion, and human rights protection, it tracks the multiple meanings and functions of a distinct and far-

reaching mode of legal authority. The fundamental aim of the volume is to examine the different geographical contexts in which extraterritorial regimes have developed, the political and economic pressures in response to which such regimes have grown, the highly uneven distributions of extraterritorial privilege that have resulted from these processes, and the complex theoretical quandaries to which this type of privilege has given rise. The book will be of considerable interest to scholars in law, history, political science, socio-legal studies, international relations, and legal geography.

Interplay: Interactive Design Sep 05 2023 What constitutes good interactive design and what qualities lie behind the work of the most original designers in this rapidly evolving field? Lauren Parker highlights the latest work of leading practitioners to illustrate what makes web design unusual and interesting. She looks at how designers are playing with the conventions of the format; how the sometimes rocky relationships between art and design and between the individual and the global corporation can bring about innovative outcomes; and how the future of interactive design is being mapped out in the brave new technological world.

Metaphysical Community Nov 07 2023 Review: "Leading exponent of discourse-centered approach examines social organization of the Shokleng, Gê-speaking peoples of southern Brazil. Author suggests a reading in terms of the problematic of knowledge: the theme of intelligibility and sensibility and their interrelations; logical empiricism and its connection to the world; the attachment of circulating discourse to sensible space; the relation of discourse and power relations; and the relation of discourse to reference"--Handbook of Latin American Studies, v. 57. <http://www.loc.gov/hlas/>

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Mathematical Knowledge and the Interplay of Practices Sep 12 2021 This book presents a new approach to the epistemology of mathematics by viewing mathematics as a human activity whose knowledge is intimately linked with practice. Charting an exciting new direction in the philosophy of mathematics, José Ferreirós uses the crucial idea of a continuum to provide an account of the development of mathematical knowledge that reflects the actual experience of doing math and makes sense of the perceived objectivity of mathematical results. Describing a historically oriented, agent-based philosophy of mathematics, Ferreirós shows how the mathematical tradition evolved from Euclidean geometry to the real numbers and set-theoretic structures. He argues for the need to take into account a whole web of mathematical and other practices that are learned and linked by agents, and whose interplay acts as a constraint. Ferreirós demonstrates how advanced mathematics, far from being a priori, is based on hypotheses, in contrast to elementary math, which has strong cognitive and practical roots and therefore enjoys certainty. Offering a wealth of philosophical and historical insights, *Mathematical Knowledge and the Interplay of Practices* challenges us to rethink some of our most basic assumptions about mathematics, its objectivity, and its relationship to culture and science.

Cultural Interplay in the Eighth Century Apr 07 2021 This is the first detailed study of the Trier Gospels manuscript and its implications for early book production.

The Dynamic Interplay between Context and the Language Learner Jul 11 2021 This edited volume offers a series of state-of-the-art conceptual papers and empirical research studies which consider how contextual factors at multiple levels dynamically interact with individuals to influence how they go about the complex business of learning and using a second language.

Public Policy and the Mass Media Mar 31 2023 The mass media are playing an increasingly central role in modern political life that expands beyond their traditional function as mediators between the world of politics and the citizens. This volume explores the extent and circumstances under which the media affects public policy; whether the political impact of the media is confined to the public representation of politics or whether their influence goes further to also affect the substance of political decisions. It provides an in-depth understanding of the conditions under which the media might, or might not, play a role in the policy process and what the nature of their influence is. Bringing together conceptual and methodological approaches from both political science and communications studies, this book presents an interdisciplinary perspective. It presents empirical evidence of the processes involved in the interaction between mass communication and policy and features case studies from Western Europe and the US and across different policy fields. The book will be of interest to students of public policy, political communication and comparative politics.

Discourse and Literature Aug 12 2021 Acknowledgements Introduction PART ONE 1. A basis for analysis: schema theory, its general principles, history and terminology Introduction Schema theory: general principles Examples demonstrating schemata in discourse processing Evidence for schemata World schemata and text schemata The origins of schema theory Bartlett's Remembering The eclipse of schema theory The revival of schema theory The terminology of schema theory Notes 2. A first bearing: discourse analysis and its limitations Introduction 'Text', 'context', and 'discourse' Acceptability above the sentence Cohesion The omission fallacy Meaning as encoding/decoding versus meaning as construction Pragmatic approaches and their capacity to characterize 'literariness' Macro-functions Discourse structure Discourse as process (and literature as conversation) Discourse as dialogue The 'post-scientific' approach Conclusion Notes 3. A second bearing: AI text theory and its limitations Introduction The computational and brain paradigms of language The constructivist principle One system of conceptual construction: conceptual dependency theory (CD) Problems for conceptual constructions A complex AI schema theory Conclusion Notes 4. Testing the AI approach. Two analyses: a 'literary' and a 'non-literary' text Introduction Text One: the opening of 'Crime and Punishment' (translation) Text Two: 'Every cloud has a Silver Lining' (advertisement) Conclusions from analyses Notes 5. A third bearing: literary theories from formalism to stylistics Introduction The rise of 'modern literary theory' Theories of pattern and deviation The formalist theory of defamiliarization Patterns in discourse: structures and structuralism Roman Jakobson's poetics Conclusion Notes 6. Incorporating the reader: two analyses combining stylistics and schema theory Introduction Text Three: 'Elizabeth Taylor's Passion' (advertisement) Text Four: 'First World War Poets' (poem) Incorporating the reader Notes PART TWO 7. Theory of discourse deviation: schema refreshment and cognitive change Introduction: the argument so far The need for schema change Prelude to the theory: earlier accounts of schema change A theory of literary discourse: schema refreshment and cognitive change A theory of literary discourse: discourse deviation Defamiliarization revisited Notes 8. Application of the theory: discourse deviation in three literary texts Introduction Text Five: 'The Tyger' Text Six: 'The Turn of the Screw' Text Seven: 'The Windhover' Conclusion Notes 9. What the theory means for literature teaching Appendix A: Grammatical notation: symbols and abbreviations Appendix B: Conceptual dependency (CD) and semantics Bibliography Index Acknowledgements Introduction PART ONE 1. A basis for analysis: schema theory, its general principles, history and terminology Introduction Schema theory: general principles Examples demonstrating schemata in discourse processing Evidence for schemata

A Companion to the Achaemenid Persian Empire, 2 Volume Set May 09 2021 A COMPANION TO THE ACHAEMENID PERSIAN EMPIRE A comprehensive review of the political, cultural, social, economic and religious history of the Achaemenid Empire Often called the first world empire, the Achaemenid Empire is rooted in older Near Eastern traditions. A Companion to the Achaemenid Persian Empire offers a perspective in which the history of the empire is embedded in the preceding and subsequent epochs. In this way, the traditions that shaped the Achaemenid Empire become as visible as the powerful impact it had on further historical development. But the work does not only break new ground in this respect, but also in the fact that, in addition to written testimonies of all kinds, it also considers material tradition as an equal factor in historical reconstruction. This comprehensive two-volume set features contributions by internationally-recognized experts that offer balanced coverage of the whole of the empire from Anatolia and Egypt across western Asia to northern India and Central Asia. Comprehensive in scope, the Companion provides readers with a panoramic view of the diversity, richness, and complexity of the Achaemenid Empire, dealing with all the many aspects of history, event history, administration, economy, society, communication, art, science and religion, illustrating the multifaceted nature of the first true empire. A unique historical account presented in its multiregional dimensions, this important resource deals with many aspects of history, administration, economy, society, communication, art, science and religion it deals with topics that have only recently attracted interest such as court life, leisure activities, gender roles, and more examines a variety of available sources to consider those predecessors who influenced Achaemenid structure, ideology, and self-expression contains the study of *Nachleben* and the history of perception up to the present day offers a spectrum of opinions in disputed fields of research, such as the interpretation of the imagery of Achaemenid art, or questions of religion includes extensive bibliographies in

each chapter for use as starting points for further research devotes special interest to the east of the empire, which is often neglected in comparison to the western territories Part of the acclaimed Blackwell Companions to the Ancient World series, *A Companion to the Achaemenid Persian Empire* is an indispensable work for students, instructors, and scholars of Persian and ancient world history, particularly the First Persian Empire.

Language in the Visual Arts Apr 12 2024 This book discusses text and image relationships in the history of art from ancient times to the contemporary period across a diversity of cultures and geographic areas. Focusing on the use of words in art and words as art forms, thematic chapters include "Pictures in Words/Words in Pictures," "Word/Picture Puzzles," "Picture/Word Puzzles," "Words as Images," "The Power of the Word," and "Monumental and Moving Words." Chapter subsections further explore cross-cultural themes. Examining text and image relationships from the obvious to the elusive, the puzzling to the profound, the minor to the major, the book demonstrates the diverse ways in which images and writing have been combined through the ages, and explores the interplay between visual and written communication in a wide range of thought-provoking examples. A color insert is included. Instructors considering this book for use in a course may request an examination copy here.

Pictures of Innocence Feb 27 2023 The ideal of childhood innocence is perhaps the most cherished concept of modern Western culture, all the more so because it seems to be under siege. Pictures have always been crucial to that ideal, and now they promise to transform it. *Pictures of Innocence* begins by tracing the visual history of ideal childhood: the pictorial invention of childhood innocence in eighteenth-century portraits, its diffusion in nineteenth-century popular paintings and illustration, and its culmination in today's best-selling and most widely practiced forms of photography. It deals with pictures of many sorts, ranging from eighteenth-century portraits by Sir Joshua Reynolds to greeting cards by Anne Geddes, from the controversial photographs of Lewis Carroll to those of Sally Mann. The book then turns to the crisis in the ideal of childhood innocence. Ever since its invention, photography has unsettled the certainties of ideal childhood, not only by revealing its inherent tensions, but also by showing how the uses and interpretations of photography can eroticize children. These increasingly acute difficulties have recently provoked a dramatic reaction in the form of sweeping child pornography laws. At an intersection between the history of ideas, art, popular culture, censorship, and law, *Pictures of Innocence* shows how we are in the midst of a radical redefinition of childhood itself, a turbulent change in fundamental cultural values inaugurated by images.

The Human Respiratory System Mar 11 2024 The *Human Respiratory System* combines emerging ideas from biology and mathematics to show the reader how to produce models for the development of biomedical engineering applications associated with the lungs and airways. Mathematically mature but in its infancy as far as engineering uses are concerned, fractional calculus is the basis of the methods chosen for system analysis and modelling. This reflects two decades' worth of conceptual development which is now suitable for bringing to bear in biomedical engineering. The text reveals the latest trends in modelling and identification of human respiratory parameters with a view to developing diagnosis and monitoring technologies. Of special interest is the notion of fractal structure which is indicative of the large-scale biological efficiency of the pulmonary system. The related idea of fractal dimension represents the adaptations in fractal structure caused by environmental factors, notably including disease. These basics are linked to model the dynamical patterns of breathing as a whole. The ideas presented in the book are validated using real data generated from healthy subjects and respiratory patients and rest on non-invasive measurement methods. The *Human Respiratory System* will be of interest to applied mathematicians studying the modelling of biological systems, to clinicians with interests outside the traditional borders of medicine, and to engineers working with technologies of either direct medical significance or for mitigating changes in the respiratory system caused by, for example, high-altitude or deep-sea environments.

Circles Disturbed Jan 29 2023 Why narrative is essential to mathematics *Circles Disturbed* brings together important thinkers in mathematics, history, and philosophy to explore the relationship between mathematics and narrative. The book's title recalls the last words of the great Greek mathematician Archimedes before he was slain by a Roman soldier—"Don't disturb my circles"—words that seem to refer to two radically different concerns: that of the practical person living in the concrete world of reality, and that of the theoretician lost in a world of abstraction. Stories and theorems are, in a sense, the natural languages of these two worlds—stories representing the way we act and interact, and theorems giving us pure thought, distilled from the hustle and bustle of reality. Yet, though the voices of stories and theorems seem totally different, they share profound connections and similarities. A book unlike any other, *Circles Disturbed* delves into topics such as the way in which historical and biographical narratives shape our understanding of mathematics and mathematicians, the development of "myths of origins" in mathematics, the structure and importance of mathematical dreams, the role of storytelling in the formation of mathematical intuitions, the ways mathematics helps us organize the way we think about narrative structure, and much more. In addition to the editors, the contributors are Amir Alexander, David Corfield, Peter Galison, Timothy Gowers, Michael Harris, David Herman, Federica La Nave, G.E.R. Lloyd, Uri Margolin, Colin McLarty, Jan Christoph Meister, Arkady Plotnitsky, and Bernard Teissier.

Anarchy & Order Jul 23 2022 This is a study of the political parameters of international law and, conversely, the law's relevance and reach in international politics. At the theoretical level, it bridges the competing dominant paradigms - neorealism and neoliberalism - in the contemporary IR literature.

Poetic Interplay May 21 2022 The lives of Catullus and Horace overlap by a dozen years in the first century BC. Yet, though they are the undisputed masters of the lyric voice in Roman poetry, Horace directly mentions his great predecessor, Catullus, only once, and this reference has often been taken as mocking. In fact, Horace's allusion, far from disparaging Catullus, pays him a discreet compliment by suggesting the challenge that his accomplishment presented to his successors, including Horace himself. In *Poetic Interplay*, the first book-length study of Catullus's influence on Horace, Michael Putnam shows that the earlier poet was probably the single most important source of inspiration for Horace's Odes, the later author's magnum opus. Except in some half-dozen poems, Catullus is not, technically, writing lyric because his favored meters do not fall into that category. Nonetheless, however disparate their preferred genres and their stylistic usage, Horace found in the poetry of Catullus, whatever its mode of presentation, a constant stimulus for his imagination. And, despite the differences between the two poets, Putnam's close readings reveal that many of Horace's poems echo Catullus verbally, thematically, or both. By illustrating how Horace often found his own voice even as he acknowledged Catullus's genius, Putnam guides us to a deeper appreciation of the earlier poet as well.

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Scripting Computer-Supported Collaborative Learning Apr 19 2022 Theoretically, the term "script" appears to be rather ill-defined. This book clarifies the use of the term "script" in education. It approaches the term from at least three perspectives: cognitive psychology perspective, computer science perspective, and an educational perspective. The book provides learners with scripts that support them both in communication/coordination and in higher-order learning.

Lost & Found Nov 26 2022 'Extraordinary . . . a profound and beautiful book . . . a moving meditation on grief and loss, but also a sparky celebration of joy, wonder and the miracle of love . . . Witty, wise, beautifully structured and written in clear, singing prose' - Sunday Times Eighteen months before Kathryn Schulz's beloved father died, she met the woman she would marry. In *Lost & Found*, she weaves the stories of those relationships into a brilliant exploration of how all our lives are shaped by loss and discovery - from the maddening disappearance of everyday objects to the sweeping devastations of war, pandemic, and natural disaster; from finding new planets to falling in love. Three very different American families form the heart of *Lost & Found*: the one that made Schulz's father, a charming, brilliant, absentminded Jewish refugee; the one that made her partner, an equally brilliant farmer's daughter and devout Christian; and the one she herself makes through marriage. But Schulz is also attentive to other, more universal kinds of conjunction: how private happiness can coexist with global catastrophe, how we get irritated with those we adore, how love and loss are themselves unavoidably inseparable. The resulting book is part memoir, part guidebook to living in a world that is simultaneously full of wonder and joy and wretchedness and suffering - a world that always demands both our gratitude and our grief. A staff writer at the *New Yorker* and winner of the Pulitzer Prize, Kathryn Schulz writes with curiosity, tenderness, erudition, and wit about our finite yet infinitely complicated lives. Crafted with the emotional clarity of C. S. Lewis and the intellectual force of Susan Sontag, *Lost & Found* is an uncommon book about common

experiences. 'An extraordinary gift of a book, a tender, searching meditation on love and loss and what it means to be human. I wept at it, laughed with it, was entirely fascinated by it. I emerged feeling a little as if the world around me had been made anew.' – Helen Macdonald, author of *H Is for Hawk*

Unknown MIR Title May 13 2024 In its fifth Canadian edition, *Interplay: The Process of Interpersonal Communication* offers an immersive approach to the study of communication that foregrounds usefulness, readability, and student engagement. With up-to-date scholarship, case studies, and real-world examples, *Interplay* emphasizes the shifting dimensions of interaction made possible by social media and changing communication norms. *Interplay* is attentive to the ways in which communication practices shape and are shaped by culture, gender, and context; with extensive pedagogy integrated into its chapters, the book encourages readers to apply its insights to their own lives and relationships both within and beyond the classroom.

The Feminine Mystique Feb 03 2021 A fiftieth anniversary edition of the trailblazing women's reference shares anecdotes and interviews that were originally collected in the early 1960s to inspire women to develop their intellectual capabilities and reclaim lives beyond period conventions.

The Handbook of Culture and Biology Jun 21 2022 A comprehensive guide to empirical and theoretical research advances in culture and biology interplay. Culture and biology are considered as two domains of equal importance and constant coevolution, although they have traditionally been studied in isolation. *The Handbook of Culture and Biology* is a comprehensive resource that focuses on theory and research in culture and biology interplay. This emerging field centers on how these two processes have evolved together, how culture, biology, and environment influence each other, and how they shape behavior, cognition, and development among humans and animals across multiple levels, types, timeframes, and domains of analysis. The text provides an overview of current empirical and theoretical advances in culture and biology interplay research through the work of some of the most influential scholars in the field. Harnessing insights from a range of disciplines (e.g., biology, neuroscience, primatology, psychology) and research methods (experiments, genetic epidemiology, naturalistic observations, neuroimaging), it explores diverse topics including animal culture, cultural genomics, and neurobiology of cultural experiences. The authors also advance the field by discussing key challenges and limitations in current research. *The Handbook of Culture and Biology* is an important resource that: Gathers related research areas into the single, cohesive field of culture and biology interplay Offers a unique and comprehensive collection from leading and influential scholars Contains information from a wide range of disciplines and research methods Introduces well-validated and coherently articulated conceptual frameworks Written for scholars in the field, this handbook brings together related areas of research and theory that have traditionally been disjointed into the single, cohesive field of culture and biology interplay.

Living, Loving and Loss Jun 02 2023 This book will be of value in undergraduate and graduate courses on thanatology, as well as for anyone interested in knowing more about grief--both those currently bereaved and those who wish to support others in mourning.

Historical Interplay in French Music and Culture, 1860-1960 Feb 10 2024 This edited volume of case studies presents a selective history of French music and culture, but one with a dynamic difference. Eschewing a traditional chronological account, the book explores the nature of relationships between one main period, broadly the 'long' modernist era between 1860-1960, and its own historical 'others', referencing topics from the Romantic, classical, baroque, renaissance and medieval periods. It probes the emergent interplay, intertextualities and scope for reinterpretation across time and place. Notions of cultural meaning are paramount, especially those pertaining to French identity, national and individual. While founded on historical musicology, the approach benefits from interdisciplinary association with philosophy, political history, literature, fine art, film studies and criticism. Attention is paid to French composers' celebrations and remakings of their predecessors. Editions of and writings about earlier music are examined, together with the cultural reception of performances of past repertoire. Organized into two parts, each of the eleven chapters characterizes a specific cultural network or temporal interplay, which may result in synthesis, disjunction, or historical misreading. The interwar years and those surrounding the Second World War prove particularly rich sources of enquiry. This volume aims to attract a wide readership of musicologists and musicians, as well as cultural historians, other humanities scholars and concert-goers.

Mozart's Music of Friends Aug 24 2022 This study analyzes chamber music from Mozart's time within its highly social salon-performance context.

The Anthropocenic Turn Oct 26 2022 This interdisciplinary volume discusses whether the increasing salience of the Anthropocene concept in the humanities and the social sciences constitutes an "Anthropocenic turn." The Anthropocene discourse creates novel conceptual configurations and enables scholars to re-negotiate and re-contextualize long-established paradigms, premises, theories and methodologies. These innovative constellations stimulate fresh research in many areas of thought and practice. The contributors to this volume respond to the proposition of an "Anthropocene turn" from the perspective of diverse research fields, including history of science, philosophy, environmental humanities and political science as well as literary, art and media studies. Altogether, the collection reveals to which extent the Anthropocene concept challenges deep-seated assumptions across disciplines. It invites readers to explore the wealth of scholarly perspectives on the Anthropocene as well as unexpected inter- and transdisciplinary connections.