Scalar Waves Theory And Experiments

Flexoelectricity In Liquid Crystals: Theory, Experiments And ApplicationsExperimental
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the book intends to give a state of the art overview of flexoelectricity a linear physical coupling between mechanical orientational deformations and electric polarization which is specific to systems with orientational order such as liquid crystals chapters written by experts in the field shed light on theoretical as well as experimental aspects of research carried out since the discovery of flexoelectricity besides a common macroscopic continuum description the microscopic theory of flexoelectricity is also addressed electro optic effects due to or modified by flexoelectricity as well as various direct and indirect measurement methods are discussed special emphasis is given to the role of flexoelectricity in pattern forming instabilities while the main focus of the book lies in flexoelectricity in nematic liquid crystals peculiarities of other mesophases bent core systems cholesterics and smectics are also reviewed flexoelectricity has relevance to biological living systems and can also offer possibilities for technical applications the basics of these two interdisciplinary fields are also summarized a

over the past two decades experimental economics has moved from a fringe activity to become a standard tool for empirical research with experimental economics now regarded as part of the basic tool kit for applied economics this book demonstrates how controlled experiments can be a useful in providing evidence relevant to economic research professors jacquemet and I haridon take the standard model in applied econometrics as a basis to the methodology of controlled experiments methodological discussions are illustrated with standard experimental results this book provides future experimental practitioners with the means to construct experiments that fit their research question and new comers with an understanding of the strengths and weaknesses of controlled experiments graduate students and academic researchers working in the field of experimental economics will be able to learn how to undertake understand and criticise empirical research based on lab experiments and refer to specific experiments results or designs completed with case study applications

the papers collected in this volume in honor of the late stanisław kielich cover an impressive range of modern subjects in molecular science these subjects include among others the nonlinear optics of molecules new approaches to the electronic structure of large molecules the properties of carbon nanotubes fluorescence polarization spectroscopy computational studies of systems of fundamental interest to collision induced spectroscopy the simulation of fluids nlo materials chemical bonding in complex molecules the nlo properties of functionalized dna and the magnetic properties of molecular assemblies written by eminent specialists the papers should offer valuable guidance to a wide community of graduate students and researchers

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as interest in attachment theory continues to grow misconceptions of the theory are becoming increasingly common important texts on major theoretical and empirical contributions are often too extensive for non specialist readers or not readily available to clinicians designed to address a significant gap in literature attachment theory and research a readerpresents a carefully curated selection of book chapters and journal articles on the subject complemented by previously unpublished material by the founder of the theory this valuable new resource provides practitioners students policymakers and general readers an accessible and up to date view of the concepts development and diversity of attachment theory the reader comprises 15 succinct chapters by many of the most influential researchers in the theory covering the basis of attachment theory and the current state of the field the book brings together a wide range of works many of which challenge common assumptions and offer intriguing new insights on attachment theory and research topics include psychoanalytic theories of separation anxiety concepts of anxiety stress and homeostasis the origins of disorganized attachment cultural differences in caregiving practices reactive attachment disorder rad and disinhibited social engagement disorder dsed the future prospects of attachment theory and more

written with the practicing psychotherapist in mind this invaluable book presents cutting edge knowledge on adult attachment and explores the implications for day to day clinical practice leading experts illustrate how theory and research in this dynamic area can inform assessment case formulation and clinical decision making the book puts such concepts as the secure base mentalization and attachment styles in a new light by focusing on their utility for understanding the therapeutic relationship and processes of change it offers recommendations for incorporating attachment ideas and tools into specific treatment approaches with separate chapters on psychoanalytic interpersonal cognitive behavioral and emotionally focused therapies

this volume provides a comprehensive examination of the applications of communication inquiry to the solution of relevant social issues nationally recognized experts from a wide range of subject areas discuss ways in which communication research has been used to address social problems and identify direction for future applied communication inquiry

doctoral research involves more than investigating a specific topic it requires navigating a complex landscape of theory methodology and personal development as a researcher these three elements are interconnected as theory shapes questions asked methodology guides answers and the process produces independent scholars successfully managing these aspects demands reflection adaptability and a deep engagement with academic traditions and new research practices this may produce new knowledge while fostering the growth of researchers who contribute meaningfully to their fields navigating theory methodology and researcher development in doctoral research explores various practices in doctoral research practices it examines evolving methodologies theories and developments for improved research applications this book covers topics such as higher education research methods and social science and is a useful resource for librarians educators academicians researchers and scientists

this book is intended to accomplish several goals first it is designed to provide a broad overview of the major areas of application of theory and research relating to nonverbal behavior second individual chapters emphasize how the applications have been drawn from underlying theories and empirical bases thereby making the link between theory research and applications apparent finally the volume links individual chapter contributions demonstrating how theoretical progress over the last few decades has led to important applied advances the contributors to this book consider a wide variety of settings and topics their common thread however is a shared conviction that an understanding of nonverbal behavior can bring about an improvement in the human condition each of the authors has made suggestions regarding future directions for both research and practice and their ideas offer real promise

analyzing the structure and growth of major theoretical research programs in the sociological study of group processes this book considers such topics as exchange processes and network structures bargaining and conflict status characteristics and status organizing processes social interaction and legitimation processes

human consciousness has perplexed philosophers artists and scientists for centuries some hold it to be purely physical while others believe it transcends the material world now comes a book that offers a new perspective based entirely on evidence from the natural sciences whereby materialism and dualism co exist the author a distinguished pioneer of nonlinear dynamics bases his argument on a hierarchical view of mental organization a stairway atoms give rise to molecules neurons form the brain and individual consciousness leads to shared culture all steps are needed to complete the picture and each level derives from the previous one the book shows specialists how each of their fields adds to the overall picture while providing general readers with an introduction to this investigation

this book takes a novel approach by highlighting comparative and long term historical perspectives on experimental practice the juxtaposition of accounts of natural social and medical experimentation is very enlightening especially because the authors put the emphasis on the different kinds of objects of experimentation physical matter chemical reagents social groups organizations sick individuals archeological remains and demonstrate how much the kinds of objects matter for the practice of experimentation its methods tools and methodologies taken together the chapters raise several fascinating questions for further study what do these different approaches have in common why do

we call them experimentation what are the intersections among the fields and their developments the volume engages philosophical approaches that are not well known to anglophone readers bachelard bergson bernard canguilhem among others and brings to attention a wealth of francophone secondary literature on past and present scientific experimentation the collection fills a yawning gap in science science studies and philosophy of science teaching making it particularly valuable philosophers and historians of science in all subfields

this open access book seeks to create a forum for discussing key questions regarding theories on teaching which theories of teaching do we have what are their attributes what do they contain how are they generated how context sensitive and content specific do they need to be is it possible or even desirable to develop a comprehensive theory of teaching the book identifies areas of convergence and divergence among the answers to these questions by prominent international scholars in research on teaching initiating exchanges among the authors it then evaluates whether consensus can be reached on the areas of divergence the book concludes by discussing lessons learned from this endeavor and outlines steps that need to be taken for advancing future work on theorizing teaching as such the book is aimed at readers interested in an overview of the theorizing of teaching and key open questions that if addressed help to move the field forward

money is the instrument of commerce and a measure of value globalization has created economic prosperity for citizens around the world these challenges have changed how people work live and do business monetary wisdom monetary aspirations and decision making presents an excellent collection of innovative and a multi cultural view of how money has affected decision making not only at an individual level but at organizational level this book discusses the powerful motivators of money and the connection to ethical decision making both in organizations and social life inspires readers to learn one of the world s most often used money attitude measures notices that in modern societies money is power at the individual level suggests that monetary aspirations not money itself predict cheating profiles that reducing stress curbs dishonesty directly and indirectly illustrates that leaders promote employees honesty and creativity reveals how corruption expands prospect theory to a global level explores the contexts to achieve balanced aspirations and serenity

what follows from what and how do we make statements whether true or false about which inferences are correct in this book edwin mares provides a new philosophical semantical and historical analysis of and justification for the relevant logic of entailment in the first half of the book he examines some key ideas in the historical development of the logic of entailment looking in particular at the notion is derivable from and at how symbolic logic has attempted to capture this notion in the second half of the book he develops his own theory connecting ideas from the traditions in mathematical logic with some ideas in the philosophy of science the book s fresh and original perspective on the logic of entailment will be valuable for all who want to know more about the historical and philosophical origins of modern symbolic logic

the second edition of this highly accessible core textbook continues to offer students a practical guide to the process of planning undertaking and writing about qualitative research in public relations and marketing communications through clear explanations and illustrations the book encourages undergraduate and master level students to engage with the main approaches and techniques for conducting critical reflective investigations this new edition identifies the skills and strategies needed to conduct authentic trustworthy research highlights specific analytical techniques associated within the main research approaches provides new sections on internet based research critical discourse analysis historical research action research and mixed methods research qualitative research methods in public relations and marketing communications will be invaluable for those undertaking research

methods courses on public relations and marketing communication degrees as well as those working on a dissertation

find out how to use evidence to improve your practice thoroughly covering the full range of rehabilitation research with a clear easy to understand approach rehabilitation research principles and applications 5th edition will help you analyze and apply research to practice it examines traditional experimental designs as well as nonexperimental and emerging approaches including qualitative research single subject designs outcomes research and survey research ideal for students and practitioners in physical therapy occupational therapy and communication sciences and disorders this user friendly resource emphasizes evidence based practice and the development of true scientist practitioners evidence based practice chapter provides an overview of the important concepts of ebp and the who model of health and disease interdisciplinary author team consisting of a pt and an asha dually certified slp aud brings an interdisciplinary focus and a stronger emphasis on evidence based practice discipline specific examples are drawn from three major fields physical therapy occupational therapy and communication sciences and disorders coverage of nonexperimental research includes chapters on clinical case studies and qualitative research so you understand a wide range of research methods and when it is most appropriate to use each type finding research literature chapter includes step by step descriptions of literature searches within different rehabilitation professions new completely updated evidence based content and references makes the information useful for both students and rehab practitioners updated expanded single subject designs chapter provides a more thorough explanation and examples of withdrawal multiple baselines alternating treatments and interactions designs that you can use in everyday clinical practice

updated revised evidence based content throughout provides students and rehabilitation practitioners with the most current information updated coverage of the latest research methods and references ensures content is current and applicable for today s pt ot and slp students new analysis and interpretation of data from single subject designs chapter new content on evaluating the quality of online and open access journals

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