

1. Record Nr.	UNINA9910809083303321
Autore	Fefferman Charles
Titolo	Advances in analysis : the legacy of Elias M. Stein // edited by Charles Fefferman, Alexandru D. Ionescu, D.H. Phong, and Stephen Wainger
Pubbl/distr/stampa	Princeton, New Jersey : , : Princeton University Press, , [2014] ©2014
ISBN	1-4008-4893-8
Edizione	[Course Book]
Descrizione fisica	1 online resource (479 p.)
Collana	Princeton mathematical series ; ; 50
Classificazione	MAT034000MAT037000MAT031000
Altri autori (Persone)	SteinElias M. <1931-2018> FeffermanCharles <1949-> IonescuAlexandru Dan <1973-> PhongDuong H. <1953-> WaingerStephen <1936->
Disciplina	515
Soggetti	Mathematical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Frontmatter -- Contents -- Preface -- Chapter One. Selected Theorems by Eli Stein / Fefferman, Charles -- Chapter Two. Eli's Impact: A Case Study / Fefferman, Charles -- Chapter Three On Oscillatory Integral Operators in Higher Dimensions / Bourgain, Jean -- Chapter Four. Hölder Regularity for Generalized Master Equations with Rough Kernels / Caffarelli, Luis / Silvestre, Luis -- Chapter Five. Extremizers of a Radon Transform Inequality / Christ, Michael -- Chapter Six. Should We Solve Plateau's Problem Again? / David, Guy -- Chapter Seven. Averages along Polynomial Sequences in Discrete Nilpotent Lie Groups: Singular Radon Transforms / Ionescu, Alexandru D. / Magyar, Akos / Wainger, Stephen -- Chapter Eight. Internal DLA for Cylinders / Jerison, David / Levine, Lionel / Sheffield, Scott -- Chapter Nine. The Energy Critical Wave Equation in 3D / Kenig, Carlos -- Chapter Ten. On the Bounded L2 Curvature Conjecture / Klainerman, Sergiu -- Chapter Eleven. On Div-Curl for Higher Order / Lanzani, Loredana / Raich, Andrew S. -- Chapter Twelve. Square Functions and Maximal Operators Associated with Radial Fourier Multipliers / Lee, Sanghyuk / Rogers, Keith M. / Seeger, Andreas -- Chapter Thirteen. Problems of Harmonic

Analysis Related to Finite-Type Hypersurfaces in R^3 , and Newton Polyhedra / Müller, Detlef -- Chapter Fourteen. Multi-Linear Multipliers Associated to Simplexes of Arbitrary Length / Muscalu, Camil / Tao, Terence / Thiele, Christoph -- Chapter Fifteen. Diagonal Estimates for Bergman Kernels in Monomial-Type Domains / Nagel, Alexander / Pramanik, Malabika -- Chapter Sixteen. On the Singularities of the Pluricomplex Green's Function / Phong, D. H. / Sturm, Jacob -- Chapter Seventeen. Smoothness of Spectral Multipliers and Convolution Kernels in Nilpotent Gelfand Pairs / Ricci, Fulvio -- Chapter Eighteen. On Eigenfunction Restriction Estimates and L^4 -Bounds for Compact Surfaces with Nonpositive Curvature / Sogge, Christopher D. / Zelditch, Steve -- List of Contributors -- Index

Sommario/riassunto

"Princeton University's Elias Stein was the first mathematician to see the profound interconnections that tie classical Fourier analysis to several complex variables and representation theory. His fundamental contributions include the Kunze-Stein phenomenon, the construction of new representations, the Stein interpolation theorem, the idea of a restriction theorem for the Fourier transform, and the theory of H_p Spaces in several variables. Through his great discoveries, through books that have set the highest standard for mathematical exposition, and through his influence on his many collaborators and students, Stein has changed mathematics. Drawing inspiration from Stein's contributions to harmonic analysis and related topics, this volume gathers papers from internationally renowned mathematicians, many of whom have been Stein's students. The book also includes expository papers on Stein's work and its influence. The contributors are Jean Bourgain, Luis Caffarelli, Michael Christ, Guy David, Charles Fefferman, Alexandru Ionescu, David Jerison, Carlos Kenig, Sergiu Klainerman, Loredana Lanzani, Sanghyuk Lee, Lionel Levine, Akos Magyar, Detlef Müller, Camil Muscalu, Alexander Nagel, D. H. Phong, Malabika Pramanik, Andrew Raich, Fulvio Ricci, Keith Rogers, Andreas Seeger, Scott Sheffield, Luis Silvestre, Christopher Sogge, Jacob Sturm, Terence Tao, Christoph Thiele, Stephen Wainger, and Steven Zelditch"--

2. Record Nr.	UNINA9910829824003321
Titolo	Animal behavior for shelter veterinarians and staff // edited by Brian A. DiGangi [and three others]
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley-Blackwell, , [2022] ©2022
ISBN	1-119-61850-9 1-119-61851-7 1-119-61849-5
Edizione	[Second edition.]
Descrizione fisica	1 online resource (707 pages)
Disciplina	636.0887
Soggetti	Animal welfare Human-animal relationships
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title Page -- Copyright Page -- Contents -- List of Contributors -- Foreword -- Acknowledgments -- About the Companion Website -- Section 1 Foundations in Behavioral Health -- Introduction -- Chapter 1 Introduction to Dog Behavior -- 1.1 Evolutionary History of the Species -- 1.2 Dogs and Humans -- 1.2.1 Dog Interspecific Social Cognition -- 1.2.2 Dog-Human Relationships -- 1.2.3 Relationships between Dogs -- 1.3 Dog Behavioral Development -- 1.3.1 Neonatal and Transitional Periods -- 1.3.2 Sensitive or Socialization Period -- 1.3.3 Juvenile and Adolescent Periods -- 1.3.4 Senior Dogs -- 1.4 Dog Communication -- 1.4.1 Visual Communication -- 1.4.2 Acoustic Communication -- 1.4.3 Olfactory Communication -- 1.5 Complex Behaviors -- 1.6 Influences on Dog Behavior -- 1.6.1 Breeds and Behavior -- 1.6.2 Spay and Neuter and Behavior -- 1.6.3 Shelter Environment -- 1.7 Conclusions -- Acknowledgments -- References -- Chapter 2 Introduction to Cat Behavior -- 2.1 Introduction -- 2.2 Domestication -- 2.3 Sensory Perception -- 2.3.1 Vision -- 2.3.2 Hearing -- 2.3.3 Olfaction -- 2.3.4 Taste -- 2.3.5 Touch and Balance -- 2.4 Communication -- 2.4.1 Vocalization -- 2.4.2 Scent -- 2.4.3 Visual

Signals -- 2.5 Behavioral Development -- 2.5.1 Genetics -- 2.5.2 Sensitive Periods of Development -- 2.6 Maintenance Behaviors -- 2.6.1 Play -- 2.6.2 Hunting -- 2.6.3 Ingestive Behavior -- 2.6.4 Elimination -- 2.6.5 Scratching -- 2.6.6 Reproduction -- 2.7 Sociality -- 2.7.1 Intraspecific -- 2.7.2 Interspecific -- 2.7.3 Aggression -- 2.7.4 Fears, Phobias, and Anxiety -- 2.8 Learning and Cognition -- 2.9 Conclusions -- References -- Chapter 3 How Animals Learn -- 3.1 Introduction: What Is Learning? -- 3.2 Non-associative Learning -- 3.3 Associative Learning -- 3.3.1 Respondent Conditioning -- 3.3.2 Operant Conditioning -- 3.4 Effectiveness of Consequences. 3.4.1 Conditioned Reinforcement and Conditioned Punishment -- 3.4.2 Extinction and Shaping -- 3.4.3 Stimulus Control -- 3.5 Conclusions -- References -- Chapter 4 The Relationship between Physiology and Behavior in Dogs and Cats -- 4.1 Introduction -- 4.2 General Concepts of the Relationship between Medical and Behavioral Issues -- 4.3 Recognizing the Behavior of the Sick Animal -- 4.3.1 Cats -- 4.4 The Role of Stress -- 4.4.1 Cats -- 4.5 The Behavior of Pain -- 4.5.1 Cats -- 4.5.2 Neuropathic Pain -- 4.6 Common Medical Conditions Resulting in Behavioral Signs -- 4.6.1 Anxiety Disorders -- 4.6.2 Neurological Disorders -- 4.6.3 Urogenital Disorders -- 4.6.4 Gastrointestinal Disorders -- 4.6.5 Dermatological Disease -- 4.6.6 Endocrine Disease -- 4.7 Medical Conditions That Have Breed Tendencies and Their Associated Behavior Changes -- 4.8 Behavior and/or Medical Conditions Seen in Intact versus Neutered Dogs -- 4.8.1 Female Canine -- 4.8.2 Male Canine -- 4.8.3 Normal Sex-Related Behaviors -- 4.8.4 Effects of Gonadectomy on the Behavior of Dogs -- 4.9 Behavior and/or Medical Conditions Seen in Intact versus Neutered Cats -- 4.9.1 Female Feline -- 4.9.2 Male Feline -- 4.9.3 Normal Sex-Related Behaviors -- 4.9.4 Effects of Gonadectomy on the Behavior of Cats -- 4.10 Side Effects of Common Medications -- 4.11 Conclusions -- References -- Section 2 Pets in the Community -- Chapter 5 Safety Net Programs -- 5.1 Introduction -- 5.2 Benefits of Safety Net Programs -- 5.3 Program Types -- 5.3.1 Basic Needs -- 5.3.2 Veterinary Care -- 5.3.3 Behavioral Care -- 5.4 How to Choose the Right Programs -- 5.4.1 Community Landscape-Assessing Pet Ownership Needs in the Community -- 5.4.2 Program Goal and Potential Impact -- 5.4.3 Resources Required -- 5.4.4 Strategic Decision-Making -- 5.4.5 Measuring Impact and Program Evaluation -- 5.4.6 Scalability/ProgramPhase-out. 5.5 Conclusions -- References -- Chapter 6 Dog Behavior and Relinquishment to Shelters -- 6.1 Introduction -- 6.2 A Brief History of Relinquishment Data -- 6.3 Lessons Learned from Risk Factor Studies -- 6.4 The Importance of Definitions -- 6.5 The Challenge of Determining How and When Behaviors May Threaten Human-Canine Bonds -- 6.6 Preventing Behavior-Related Relinquishment and Facilitating Adoptions: Compatible or Competing Priorities? -- 6.7 How Have Relinquishment Prevention Measures Worked? -- 6.8 Behavioral Interventions That May Promote Adoptions and Prevent Returns -- 6.8.1 Supporting Adoption-Promoting Behaviors -- 6.8.2 Supporting Behavioral Hygiene -- 6.8.3 The Kennel Environment: Context Can Train Undesirable Behaviors -- 6.9 Conclusions -- References -- Chapter 7 Management of Community Cats -- 7.1 Introduction -- 7.2 Effective TNR -- 7.2.1 Modeling TNR -- 7.2.2 Counting Cats -- 7.2.3 Recent Community Cat Management Research -- 7.2.4 Community Cat Welfare -- 7.2.5 Recent Shelter Intake and Community Cat Research -- 7.3 Return to Field -- 7.4 Continuing Controversies around TNR -- 7.5 Communication -- 7.6 Cat Impact in the Community -- 7.6.1 Predation Behavior -- 7.6.2 New

Understanding of Predator-Prey Behavior -- 7.7 Cat Behavior in the Community -- 7.8 Keeping Community Cats Out of the Shelter -- 7.9 Community Cats in the Shelter -- 7.10 Conclusions -- References -- Section 3 Dogs in the Shelter -- Chapter 8 Handling Shelter Dogs -- 8.1 Introduction -- 8.2 What Is Stress? -- 8.3 Stress in Shelter Dogs -- 8.4 Body Language -- 8.5 Responding to the Dog's Emotional State -- 8.5.1 Timing -- 8.6 Low-Stress Handling -- 8.6.1 Entering and Exiting Kennels -- 8.6.2 Moving Dogs Around the Shelter -- 8.6.3 Getting a Dog Comfortable with a New Handler -- 8.6.4 Handling for Procedures -- 8.6.5 Developing Positive Associations. 8.6.6 Reducing Stress through Handling -- 8.7 Defensive Handling -- 8.7.1 Why Do We Need These Skills? -- 8.7.2 Have a Plan -- 8.7.3 Equipment -- 8.7.4 Leash Handling -- 8.7.5 Balance and Body Awareness -- 8.7.6 Handling Scenarios -- 8.7.7 Breaking Up a Dogfight -- 8.8 Handling Dogs during the Process of Euthanasia -- 8.8.1 Environment -- 8.8.2 Euthanasia Techniques and Handling Methods -- 8.9 Conclusions -- References -- Chapter 9 Assessing the Behavior of Shelter Dogs -- 9.1 Introduction -- 9.1.1 Decision-Making -- 9.1.2 The Observational Assessment Model -- 9.2 Sources of Behavior Information -- 9.2.1 Information from Relinquishing Owners -- 9.2.2 Medical Staff Observations -- 9.2.3 Daily Care Staff and Volunteer Observations -- 9.2.4 Walks and Field Trips -- 9.2.5 Socialization Sessions -- 9.2.6 In-Kennel Behavior -- 9.2.7 Playgroups -- 9.2.8 Foster Stay and Adopter Returns -- 9.2.9 Standardized Behavior Evaluations -- 9.3 Behavior Information and Pathway Planning -- 9.4 Conclusions -- Acknowledgments -- References -- Chapter 10 Canine Housing and Husbandry for Behavioral Well-Being -- 10.1 Introduction -- 10.2 Admission to the Animal Shelter -- 10.3 General Housing Considerations -- 10.3.1 Size, Layout, and Construction of Enclosures -- 10.3.2 Social Interactions and Environmental Enrichment -- 10.3.3 Daily Rounds and Pathway Planning -- 10.3.4 Foster Care -- 10.3.5 Sanitation Considerations -- 10.4 Behavior and Sensory Factors to Consider for Dog Housing -- 10.4.1 Smell -- 10.4.2 Hearing -- 10.4.3 Vision -- 10.5 Types of Primary Enclosures -- 10.5.1 Small Unenriched Cages -- 10.5.2 Single Enriched Enclosures -- 10.5.3 Double-Sided Enclosures -- 10.6 Co-housing in Pairs or Small Groups -- 10.7 Areas for Enrichment, Exercise, and Training -- 10.8 Initial Housing Considerations -- 10.9 Housing during Disasters -- 10.10 Conclusions -- References.

Chapter 11 Canine Enrichment -- 11.1 Introduction -- 11.2 Enrichment Interventions in the Animal Shelter -- 11.2.1 Human Social Interaction -- 11.2.2 Canine Social Interaction -- 11.2.3 Object Enrichment -- 11.2.4 Auditory Enrichment -- 11.2.5 Olfactory Enrichment -- 11.2.6 Visual Stimulation -- 11.3 Assessing Enrichment -- 11.3.1 What to Measure -- 11.3.2 How to Measure -- 11.3.3 Measurement Methods -- 11.4 Implementing and Maintaining an Enrichment Program -- 11.4.1 Training -- 11.4.2 Arranging the Environment -- 11.4.3 Arranging Consequences -- 11.4.4 Using Staff for Effective Enrichment Programs -- 11.4.5 Engaging the Public for Effective Enrichment Programs -- 11.5 Conclusions -- References -- Appendix 11.A Data Sheet -- Time Sampling -- Chapter 12 Training and Behavior Modification for Shelter Dogs -- 12.1 Introduction -- 12.2 Structured Training Programs -- 12.3 Behavior Modification Programs within the General Shelter Environment -- 12.3.1 Intraspecific Aggression -- 12.3.2 Excessive Arousal -- 12.3.3 Fearfulness -- 12.4 Success of Behavior Modification in Shelters -- 12.5 Dedicated Behavior Rehabilitation Facilities -- 12.6 Conclusions -- References -- Chapter 13 Play and Playgroups -- 13.1 Introduction -- 13.2 The Science

of Play -- 13.2.1 Social Play in Canids -- 13.2.2 Psychological Benefits of Play -- 13.2.3 Playgroups as Enrichment -- 13.3 Tools and Terminology -- 13.4 Shelter Playgroup Models -- 13.4.1 Dogs Playing for Life -- 13.4.2 Shelter Playgroup Alliance -- 13.5 Canine Playgroups in Shelter Settings -- 13.5.1 Setting Goals for a Successful Playgroup Program -- 13.5.2 Arranging the Physical Environment -- 13.5.3 Arranging the Social Environment -- 13.5.4 Selecting Playgroup Candidates -- 13.5.5 Implementation of Playgroups -- 13.6 Evaluating Quality of Life and Adoptability -- 13.7 Conclusions -- References.
Section 4 Cats in the Shelter.

Sommario/riassunto

"Animal Behavior for Shelter Veterinarians and Staff provides readers with comprehensive information addressing the behavior of both animals and humans associated with the intake, management, and rehoming of dogs and cats. To aid in practical application, the book covers specific behavior considerations in both dogs and cats. Topics are separated by animal to allow for easy accessibility by professionals who are actively working in the field. Animal Behavior for Shelter Veterinarians and Staff is a must-have reference for evidence-based practical tips, techniques, and protocols for everyday use in animal shelters by shelter volunteers and staff, as well as professional trainers, behaviorists, and veterinarians working with shelters"--
