1. Record Nr. UNINA9910480041603321

Autore	Connett William C (William Carroll), <1939->
Titolo	The theory of ultraspherical multipliers / / W. C. Connett and A. L. Schwartz
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 1977 ©[1977]
ISBN	1-4704-0866-X
Descrizione fisica	1 online resource (99 p.)
Collana	MEMOIRS of the American Mathematical Society ; ; Volume 9, Issue 2, Number 183
Disciplina	510.8
Soggetti	Multipliers (Mathematical analysis) Spherical functions Sobolev spaces Besov spaces Electronic books.
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.
Nota di contenuto	""Table of Contents""; ""A0. Introduction""; ""I. The interpolation of ""local"" spaces""; ""A1. Notations and definitions""; ""A2. Stability under complex interpolation""; ""A3. Interpolation of multiplier theorems""; ""II. Families of Banach spaces""; ""A4. Taibelson spaces and spaces of Bessel potentials""; ""A5. The properties of localizations of spaces of Lipschitz type""; ""A6. Spaces of sequences""; ""III. The theory of ultraspherical multipliers""; ""A7. The ultraspherical convolution""; ""A8. A Littlewood-Paley Theory for ultraspherical series"" ""A9. A full range multiplier Theorem for q = 2""""A10. The interpolation of ultraspherical multiplier theorems""; ""A11. Some of these results are best possible""; ""IV. Applications to other expansions""; ""A12. Multiplier theorems for Hankel transforms and spaces of radial functions""; ""A13. Multipliers for spherical harmonic expansions""; ""A14. Multipliers for Jacob! expansions""; ""Figures""; ""Table of notation""; ""Bibliography""

2. Record Nr. UNINA9910453516003321

Autore	Moorcroft Paul <1969->
Titolo	Mechanistic home range analysis / / Paul R. Moorcroft and Mark A. Lewis
Pubbl/distr/stampa	Princeton, New Jersey ; ; Oxfordshire, England : , : Princeton University Press, , 2006 ©2006
ISBN	0-691-00927-9 1-4008-4973-X
Edizione	[Course Book]
Descrizione fisica	1 online resource (205 p.)
Collana	Monographs in Population Biology ; ; 43 Monographs in population biology
Classificazione	WI 2100
Altri autori (Persone)	LewisM <1962-> (Mark)
Disciplina	591.5
Soggetti	Animal behavior - Mathematical models Home range (Animal geography) - Mathematical models Zoogeography - Mathematical models Electronic books.
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 -- 1. Introduction -- 2. From Individual Behavior to Patterns of Space Use -- 3. A Simple Mechanistic Home Range Model -- 4. A Model Based on Conspecific Avoidance -- 5. Comparative Analysis of Home Range Patterns Predicted -- 6. Mathematical Analysis of the Conspecific Avoidance Model -- 7. The Influence of Landscape and Resource Heterogeneity -- 8. Home Range Formation in the Absence of a Den Site -- 9. Secondary Ecological Interactions -- 10. Displacement Distances: Theory and Applications -- 11. ESS Analysis of Movement Strategies: Analyzing the Functional Significance of Home Range Patterns -- 12. Future Directions and Synthesis -- Appendixes -- References -- Index
Sommario/riassunto	Spatial patterns of movement are fundamental to the ecology of animal populations, influencing their social organization, mating systems, demography, and the spatial distribution of prey and competitors. However, our ability to understand the causes and consequences of animal home range patterns has been limited by the descriptive nature

of the statistical models used to analyze them. In Mechanistic Home Range Analysis, Paul Moorcroft and Mark Lewis develop a radically new framework for studying animal home range patterns based on the analysis of correlated random work models for individual movement behavior. They use this framework to develop a series of mechanistic home range models for carnivore populations. The authors' analysis illustrates how, in contrast to traditional statistical home range models that merely describe pattern, mechanistic home range models can be used to discover the underlying ecological determinants of home range patterns observed in populations, make accurate predictions about how spatial distributions of home ranges will change following environmental or demographic disturbance, and analyze the functional significance of the movement strategies of individuals that give rise to observed patterns of space use. By providing researchers and graduate students of ecology and wildlife biology with a more illuminating way to analyze animal movement, Mechanistic Home Range Analysis will be an indispensable reference for years to come.