



Mathematical Bioeconomics: The Mathematics of Conservation (Hardback)

By Colin W. Clark

John Wiley and Sons Ltd, United States, 2010. Hardback. Condition: New. 3rd Edition. Language: English . Brand New Book. Overall, this is an appealing work for students and professionals, and is certain to remain as one of the key works in natural resource analysis. Mathematical Reviews Biological renewable resources, essential to the survival of mankind, are increasingly overexploited by individuals and corporations that often sacrifice long-term economic health and sustainability for short-term gains. Mathematical Bioeconomics: The Mathematics of Conservation, Third Edition analyzes the economic forces underlying these misuses of renewable resources and discusses more effective methods of resource management. Promoting a complete understanding of general principles, the book allows readers to discover how rigorous mathematical models that incorporate both economic and biological factors should replace intuitive arguments for conservation and sustainability. This Third Edition continues to combine methodologies from the fields of economics, biology, and mathematics to explain how analytic models are essential for developing a complete understanding of complex resource systems. The book has been updated to address the need for incorporating individual economic incentives, the value of diversity, and the overriding importance of uncertainty in mathematical models. Coverage of game theory, overcapacity, uncertainty, and risk analysis has been...



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