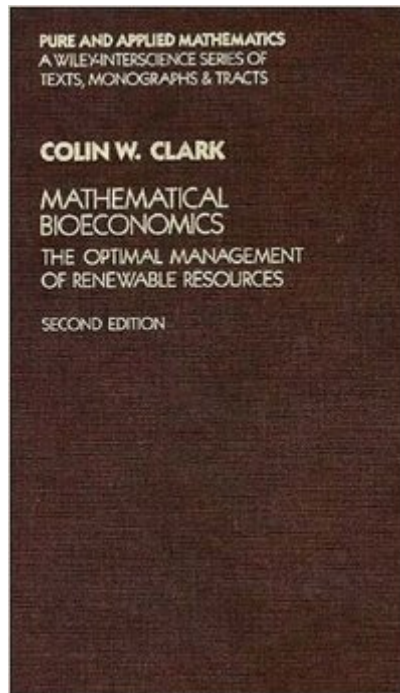


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# Mathematical Bioeconomics: The Optimal Management Of Renewable Resources, 2nd Edition



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**WILEY-INTERSCIENCE PAPERBACK SERIES** The Wiley-Interscience Paperback Series consists of selected books that have been made more accessible to consumers in an effort to increase global appeal and general circulation. With these new unabridged softcover volumes, Wiley hopes to extend the lives of these works by making them available to future generations of statisticians, mathematicians, and scientists. "The body of theory presented [in this book] is a completely interdisciplinary, integrated synthesis of theory, methods and data from ecology, economics, public policy, the history of various resources, and a wide array of topics in applied mathematics and operations research. The level of treatment is very thoughtful, penetrating, and innovative. The coverage of relevant material is extremely comprehensive?" --The Quarterly Review of Biology "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 **Mathematical Bioeconomics: The Optimal Management of Renewable Resources, Second Edition** serves as an introduction to the theory of biological conservation, including a wealth of applications to the fishery and forestry industries. The mathematical modeling of the productive aspects of renewable-resource management is explained, featuring both economic and biological factors, with much attention paid to the optimal use of resource stocks over time. This Second Edition provides new chapters on the theory of resource regulation and on stochastic resource models, new sections on irreversible investment, game-theoretic models, dynamic programming, and an expanded bibliography.

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