

Analysis Of Water Resource Systems. Developments In Water Science, Volume 32.

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Water resource systems research provides a basis for rational water management in large basins. The design and operation of water resource systems are both the most complicated and the most important tasks of water management. This book deals with the basic issues involved in the application of systems sciences to water management. A survey of the systems sciences (the general systems theory, cybernetics, systems engineering, operations research and systems analysis) is presented, as well as the methods for water resource systems analysis and for water resource systems analysis and for their evaluation. The mathematical methods used in systems theory have been given detailed treatment. Linear and dynamic programming have been used as models of optimal programming. Since many practical tasks require the simulation models of water resource systems, apart from their principles and a detailed description, the simulation language for computing programming has been included. Other methods of operations research and their application to water resource systems have been analysed and evaluated. EAN/ISBN : 9780080870236 Publisher(s): Elsevier Science & Technology Format: ePub/PDF Author(s): Votruba, Ladislav

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