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CONDITIONS FOR OPTIMAL WATER RESOURCES MANAGEMENT

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ABSTRACT

This paper considers mathematical modeling of a river section. A detailed mathematical analysis of the irrigation channel is carried out. A network for studying the water surface based on formal-algebraic analysis is investigated. The object of the study is the Chirchik river basin. An algorithm of modelling water management system is developed in this article..

Keywords: mathematical modeling, river basin, algorithm, irrigation system, formal-algebraic analysis, surface grid, set.