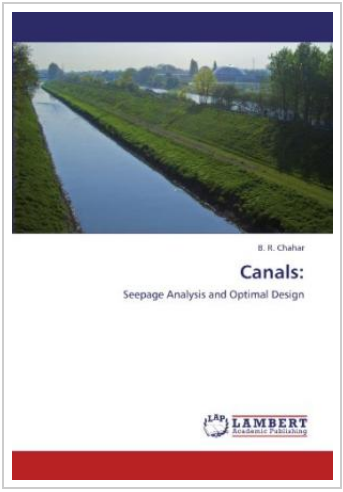

Canals:

By Chahar, B. R.

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Seepage Analysis and Optimal Design | A substantial part of the usable water may be lost as seepage from a canal. This book presents analytical solutions based on the inverse hodograph and Schwarz-Christoffel conformal transformation for computing seepage from polygon and curvilinear canals. These solutions have been simplified as explicit algebraic equations. The construction cost of network of canals constitutes a major cost item in an irrigation project and that should be minimized. Such a minimum cost canal design problem results in a non-linear objective function and a non-linear equality constraint, making the problem hard to solve analytically. A nonlinear optimization method has been applied to different shapes of canals and subsequently generalized explicit equations and section shape coefficients have been found through error minimization for the design of minimum cost canal sections. The analysis overcomes the complexity of the seepage from canals and minimum cost design of irrigation canal sections and thus the book should be useful to students, teachers, researchers and professionals interested in fields of canal design and operations. | Format: Paperback | Language/Sprache: english | 196 pp.

Reviews

This publication may be really worth a go through, and a lot better than other. It really is full of knowledge and wisdom Its been printed in an exceptionally easy way in fact it is simply after i finished reading this publication by which basically modified me, affect the way i really believe.

-- ***Troy Dietrich DDS***

Completely one of the best publication I actually have ever study. I really could comprehended almost everything out of this written e publication. Your daily life span will likely be change as soon as you total reading this publication.

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