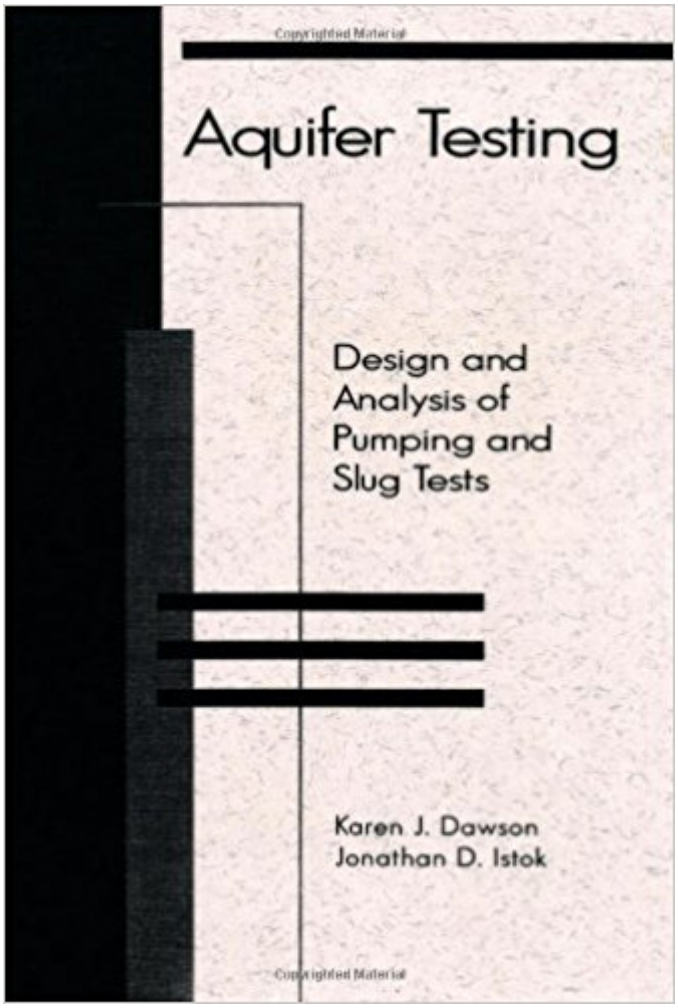
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Aquifer Testing: Design And Analysis Of Pumping And Slug Tests



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Synopsis

New! A practical, easy-to-use reference for the design and analysis of groundwater pumping and slug testsAquifer Testing: Design and Analysis of Pumping and Slug Tests is a complete design and analysis reference emphasizing practical solutions for engineers, scientists, consultants, and students knowledgeable in basic ground water theory. The book discusses such models as steady-state, transient flow with constant discharge, slug injection or withdrawal, and step discharge. This valuable book is an expansion on our best seller Groundwater Pumping Tests: Design and Analysis (Walton 1987). Part I contains general information about pumping tests, including how to design a pumping test, select an appropriate model, correct data, and analyze results. Part II is devoted to aquifer models and features hydrogeologic conditions, flow and geometry assumptions, governing differential equations, initial and boundary conditions, and analytical solutions for different models. BASIC coding for computer programs from which type curves may be developed and drawdown predicted are included in an appendix and on diskettes included in the book.

Book Information

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This book describes the most common pump and slug test methods. The best part is that the author’s paraphrase the mathematics of the forward models for each method. Great book!

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