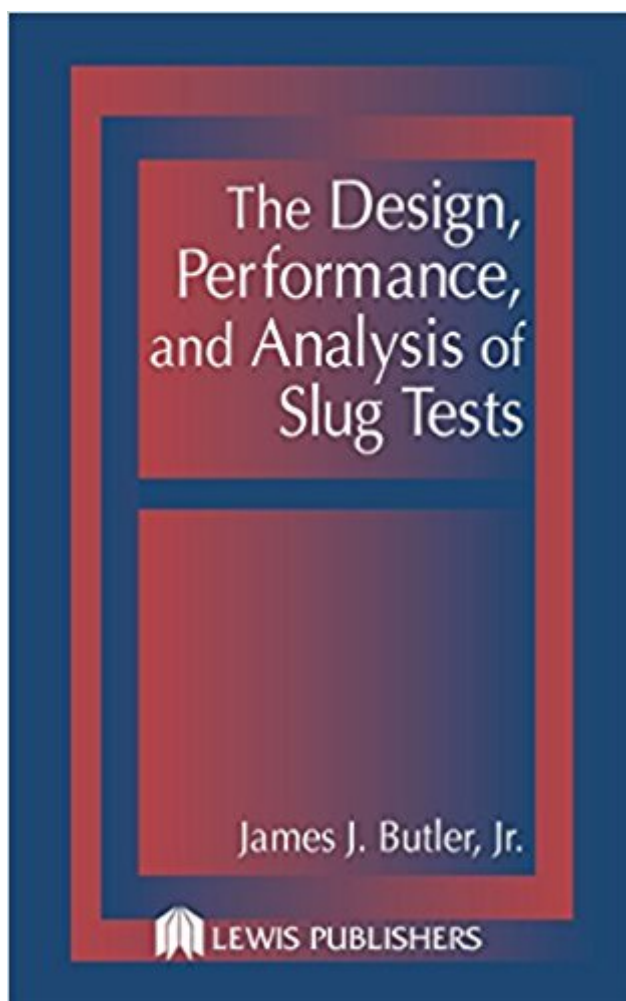


The book was found

The Design, Performance, And Analysis Of Slug Tests



Synopsis

The slug test is currently the most common method for the in situ estimation of hydraulic conductivity at sites of suspected groundwater contamination. However, inappropriate procedures in one or more phases of a slug test can introduce considerable error into the resulting parameter estimates. This book remedies this problem by answering virtually every question regarding the design, performance, and analysis of slug tests. This is the first book to provide detailed information on the practical aspects of the methodology of slug tests. All major analysis methods are described in *The Design, Performance, and Analysis of Slug Tests*. Each analysis method is outlined in a step-by-step manner and illustrated with a field example. The major practical issues related to the field application of each technique are also discussed. This book will help the reader get more reliable parameter estimates from slug tests and increase the utility of slug test data.

Book Information

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Customer Reviews

"Excellent...a significant milestone in slug test technology and, for that matter, groundwater hydrology." Herman Bouwer, USDA Water Conservation Laboratory ...the author has achieved his goal of providing a text to which a field investigator can refer for answers to questions concerning the design and analysis of slug test data. I can therefore commend this work to all groundwater practitioners and students with an interest in the design and performance of slug tests." -Joseph F. Botha, Institute for Groundwater Studies, University of the Free State Orange, Bloemfontein, South Africa

A must read for every intellectual.

Great book - a Bible of slug tests for every consulting hydrogeologist. Well written dummy proof manual for design and calculations.

The Design, Performance, and Analysis of Slug Tests is a text which walks the reader through all the necessary steps for obtaining information about the transmissive nature of formations through slug testing. Butler gives not only a theoretical understanding of the slug test in this book, but he also gives many caveats and pitfalls which may be encountered when using the method. Butler explains to the reader which field methods and analysis methods are best suited for various situations. He also gives special recommendations for formations of high and low hydraulic conductivity. This book is not meant to be read from cover to cover, but is an excellent reference for the field hydrogeologist. The topic is limited in scope - a fact which allows the coverage of the material to be superb.

Slug-testing is the quickest and most cost-effective way of characterizing aquifer characteristics, and this book straightforwardly and concisely discusses the theory, performance, and analysis of the test methods most commonly used today. Planning of multi-test programs is also discussed, as are the limitations of each method and of slug testing in general. Whether in the fields of academia, consulting, planning, or exploration, in the public, private, or government sectors, this book is sine qua non for the practicing hydrogeologist. Sean K. Patrick, L.G.

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