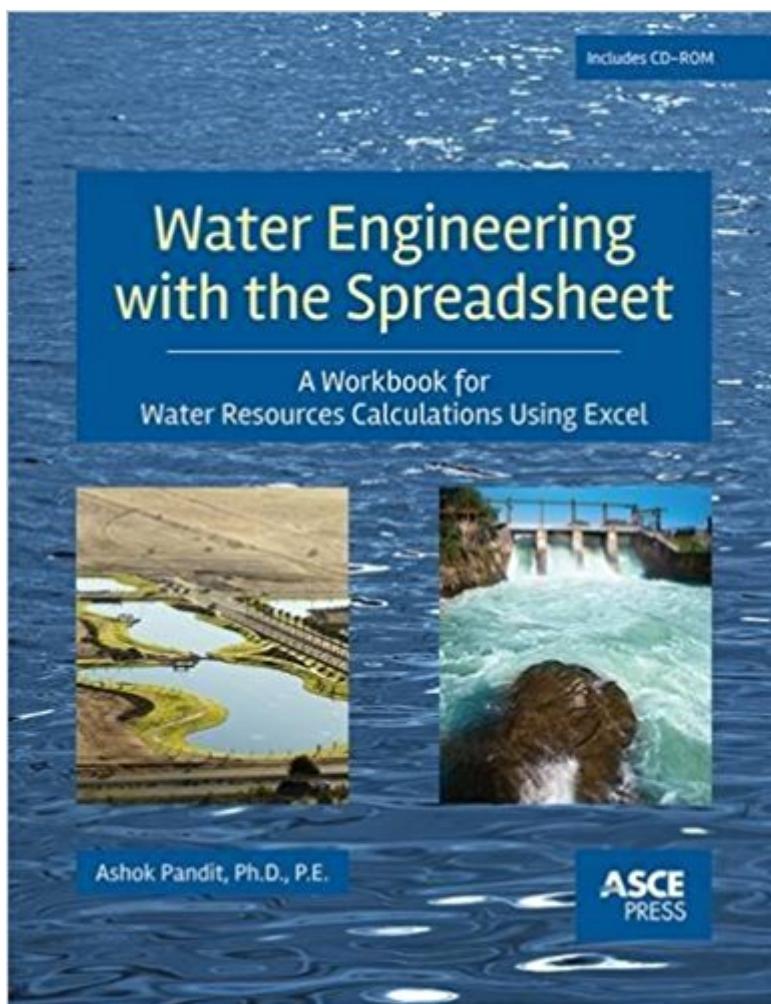


The book was found

# Water Engineering With A Spreadsheet (Asce Press)



## Synopsis

Water Engineering with the Spreadsheet: A Workbook for Water Resources Calculations Using Excel presents more than 90 problems, from easy to difficult, in the areas of fluid mechanics, hydraulics, hydrology, and stormwater management. The accompanying unlocked spreadsheets are used to solve the problems and provide hands-on experience with Excel. Ashok Pandit, Ph.D., P.E., has been employing spreadsheets in the classroom and in practice for more than 20 years. Used as a supplement to undergraduate and graduate texts and lectures, Pandit's book will help students gain a solid foundation in using spreadsheets for applications in water engineering. Topics include: force calculations under static and dynamic conditions, pipe design, and pipe network analysis; open channel flow; normal and critical depth calculations; channel designs and transitions; lake evaporation; unit hydrographs and S-hydrographs; convolution and deconvolution; reservoir and channel routing; and analysis and design of stormwater management systems for land development, including retention/detention basins and storm sewers. Pandit provides background information, helpful hints, assumptions, equations to be used, solutions, and a what-if analysis to provide an in-depth examination of the problem. Advanced features of Excel spreadsheets, such as Goal Seek, Circulation Cells, and Trendlines, are explored. Students will find this book an excellent preparation for the fundamentals of engineering or professional engineering exams. Practitioners may also find this a convenient collection of ready-to-use spreadsheets for a professional practice.

## Book Information

Series: Asce Press

Paperback: 204 pages

Publisher: ASCE Press (February 24, 2016)

Language: English

ISBN-10: 0784414041

ISBN-13: 978-0784414040

Product Dimensions: 10.8 x 0.6 x 8.5 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #906,383 in Books (See Top 100 in Books) #22 in Books > Science & Math > Agricultural Sciences > Irrigation #276 in Books > Engineering & Transportation > Engineering > Mechanical > Hydraulics #623 in Books > Computers & Technology > Business Technology > Software > Spreadsheets

## Customer Reviews

Ashok Pandit, Ph.D., P.E., is currently head of the department of civil engineering at the Florida Institute of Technology. He has more than 30 years of teaching and research experience in the areas of fluid mechanics, hydraulics, hydrology, and numerical groundwater modeling. He is a registered professional engineer with experience in stormwater drainage and management.

[Download to continue reading...](#)

Water Engineering with a Spreadsheet (Asce Press) Gravity Sanitary Sewer Design and Construction (ASCE Manuals and Reports on Engineering Practice No. 60) (Asce Manuals and Reports on Engineering ... Manual and Reports on Engineering Practice) Significant Changes to the Seismic Load Provisions of ASCE 7-10: An Illustrated Guide (Asce Press) Pure Water: The Science of Water, Waves, Water Pollution, Water Treatment, Water Therapy and Water Ecology Seismic Evaluation and Retrofit of Existing Buildings: ASCE/SEI 41-13 (Standard) (Asce Standard) Horizontal Auger Boring Projects (Manuals and Reports on Engineering Practice (MOP)) (Asce Manual and Reports on Engineering Practice) Fruit Infused Water - 80 Vitamin Water Recipes for Weight Loss, Health and Detox Cleanse (Vitamin Water, Fruit Infused Water, Natural Herbal Remedies, Detox Diet, Liver Cleanse) Water Clarity Secrets for Ponds and Water Gardens: The Quick and Easy Way to Crystal Clear Water (Water Garden Masters Series Book 5) Water Quality & Treatment: A Handbook on Drinking Water (Water Resources and Environmental Engineering Series) Underwater Investigations: Standard Practice Manual (Asce Manual and Reports on Engineering Practice) Prestressed Concrete Transmission Pole Structures: Recommended Practice for Design and Installation (Asce Manual and Reports on Engineering Practice) Spreadsheet Modeling and Decision Analysis: A Practical Introduction to Business Analytics Spreadsheet Modeling & Decision Analysis: A Practical Introduction to Business Analytics Excel for Kids: A fun and visual introduction to the fundamental spreadsheet application. Excel: Strategic Use of the Calc Spreadsheet in Business Environment, Data Analysis and Business Modeling Hydraulic Design of Storm Sewers with a Spreadsheet Water Is Water: A Book About the Water Cycle Water! Water! Water! Country and Cottage Water Systems: A Complete Out-of-the-City Guide to On-Site Water and Sewage Systems, Including Pumps, Plumbing, Water Purification and Alternative Toilets Water Distribution, Grades 3 & 4WSO: AWWA Water System Operations WSO (Awwa's Water System Operations)

[Contact Us](#)

DMCA

Privacy

FAQ & Help