



Civil Engineering Hydraulics

By Martin Marriott

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This thorough update of a well-established textbook covers a core subject taught on every civil engineering course. Now expanded to cover environmental hydraulics and engineering hydrology, it has been revised to reflect current practice and course requirements.

As previous editions, it includes substantial worked example sections with an on-line solution manual. A strength of the book has always been in its presentation these exercises which has distinguished it from other books on hydraulics, by enabling students to test their understanding of the theory and of the methods of analysis and design.

Civil Engineering Hydraulics provides a succinct introduction to the theory of civil engineering hydraulics, together with a large number of worked examples and exercise problems with answers. Each chapter includes a worked example section with solutions; a list of recommended reading; and exercise problems with answers to enable students to assess their understanding.

The book will be invaluable throughout a student's entire course – but particularly for first and second year study, and will also be welcomed by practising engineers as a concise reference.

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Editorial Review

From the Back Cover

This thorough update of a well-established textbook provides a succinct introduction to the theory of civil engineering hydraulics. Now expanded to cover environmental hydraulics and engineering hydrology, this fifth edition has been revised to reflect current practice and course requirements.

Substantial worked example sections are included, plus a wealth of additional exercise problems with an on-line solutions manual – see www.wiley.com/go/marriott. A strength of the book has always been its presentation of these exercises, distinguishing it from other books on hydraulics and enabling students to test their understanding of both the theory and the methods of analysis and design. This will appeal to lecturers and students keen to engage in student-centred learning.

Civil Engineering Hydraulics will be invaluable throughout a student's entire course, from initial principles through to more advanced applications. By concentrating on the most commonly faced problems encountered by civil engineers in hydraulic engineering, it will also be welcomed by practising engineers as a concise reference.

About the Author

Martin Marriott is Principal Lecturer in the School of Computing, Information Technology and Engineering, University of East London. He is a chartered civil engineer, with degrees from the Universities of Cambridge, London (Imperial College) and Hertfordshire. He has wide professional experience in the UK and overseas with major firms of consulting engineers, followed by many years experience as a lecturer in higher education. He is a former Branch Chairman of the Chartered Institution of Water and Environmental Management, and has served as Chief Examiner for the Engineering Council Graduate Diploma paper in Hydraulics and Hydrology.

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