

WATER AND WASTEWATER
ENGINEERING HYDRAULICS

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Author's Note

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Preface

This book addresses those areas of applied hydraulics of special interest to engineers engaged in the fields of water supply and wastewater disposal. The analytical methods employed are developed from first principles with an emphasis on engineering application rather than on mathematical rigour. Parameter correlations are presented in a format appropriate to problem solution by computer.

Chapter 1 reviews fluid properties. Chapter 2 reviews the basic concepts of fluid flow including the application of the principles of continuity, energy and momentum. Chapters 3-6 inclusive, deal with flow in closed conduits. Chapters 7, 8 and 10 deal with open channel flow. Chapter 9 is concerned with dimensional analysis and hydraulic modelling. Chapter 11 deals with pumping systems.

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