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Nota di contenuto

Cover; Preface to The Third Edition; Preface to The First Edition; Purpose and Scope of the Book; Contents; Chapter 1. Soil and Soil Mechanics; Chapter 2. Composition of Soil Terminology and Definitions; Chapter 3. Index Properties and Classification Tests; Chapter 4. Identification and Classification of Soils; Chapter 5. Soil Moisture-Permeability and Capillarity; Chapter 6. Seepage and Flow Nets; Chapter 7. Compressibility and Consolidation of Soils; Chapter 8. Shearing Strength of Soils; Chapter 9. Stability of Earth Slopes; Chapter 10. Stress Distribution in Soil
Chapter 11. Settlement Analysis
Chapter 12. Compaction of Soil;
Chapter 13. Lateral Earth Pressure and Stability of Retaining Walls;
Chapter 14. Bearing Capacity; Chapter 15. Shallow Foundations;
Chapter 16. Pile Foundations; Chapter 17. Soil Stabilisation; Chapter 18. Soil Exploration; Chapter 19. Caissons and Well Foundations;
Chapter 20. Elements Of Soil Dynamics And Machine Foundations;
Answers to Numerical Problems; Objective Questions; Answers to Objective Questions; Appendix A: A Note on S.I. Units; Appendix B: Notation; Author Index; Subject Index

Sommario/riassunto

This book is the outcome of the authors long teaching experience and has been designed to meet the needs of Civil Engineering curricula for the courses in Soil Mechanics and Foundation Engineering of Indian Universities. The book has been written mainly in the S.I. Units, although some problems and examples in the M.K.S. system have been included for convenience during the period of transition.
