

## CONTENTS

	Page
Preface	xi
Notation	xiii
CHAPTER 1: Introduction	1
CHAPTER 2: Classification of Deformations	11
CHAPTER 3: Influence of Cement and Admixtures on Creep	27
CHAPTER 4: Influence of Aggregate on Creep	55
CHAPTER 5: Influence of Creep of Strength, Stress, Water-Cement Ratio, Age and Size	90
CHAPTER 6: Influence of Humidity on Creep	139
CHAPTER 7: Influence of Temperature and Curing on Creep	162
CHAPTER 8: Creep Recovery	193
CHAPTER 9: Creep under Different States of Stress Creep in tension	220
CHAPTER 10: Mechanism of Creep	258
CHAPTER 11: Creep Hypotheses	281
CHAPTER 12: Basic Expressions for Creep	310
CHAPTER 13: Prediction of Creep	332
CHAPTER 14: Relaxation of Stress	381
CHAPTER 15: Rheological Models and Damping	394
CHAPTER 16: Apparatus for Measurement of Creep	431
CHAPTER 17: Methods of Creep Analysis of Structural Members	448
CHAPTER 18: Time-Dependent Deflections of Reinforced Concrete Members	497
CHAPTER 19: Effects of Creep and Shrinkage in Prestressed Concrete	533
CHAPTER 20: Effects of Creep in Arches, Continuous Beams, Composite Members and Cylindrical Shells	558
Concluding Remarks	610
Appendix: Conversion to SI units	611
Name Index	612
Subject Index	618