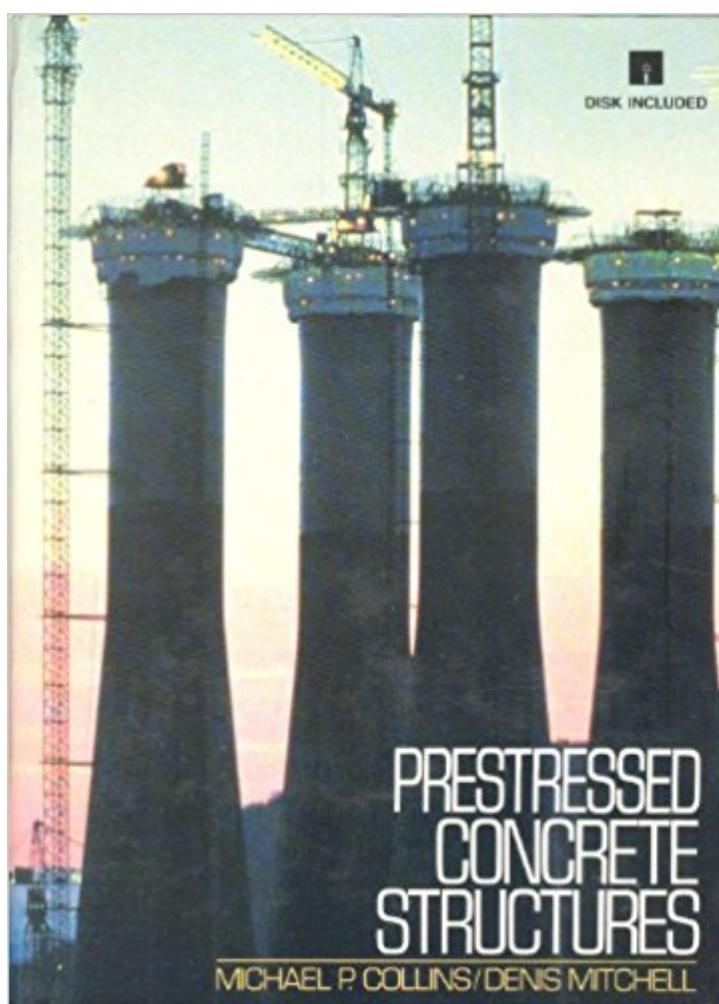


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Prestressed Concrete Structures/Book And Disk (Prentice-Hall International Series In Civil Engineering And Engineering Mechanics)





Book Information

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This is the best book you can find related to prestressed concrete. It has a very detailed section about the mechanics and design of prestressed elements.

A "must have" reference book for Structural Engineers in the area of prestressed concrete. Chapter 7 and Chapter 9 are the most comprehensive single source of information on the Modified Compression Filed Theory and procedures for the design of disturbed regions (corbels, dapped ends, ledges, etc.) on concrete structures (except maybe for MacGregor's). The book is advanced and requires some knowledge of concrete behavior, prestressed concrete design and mechanics of materials. Software has been updated and is available on the Toronto University web page (Response 2000-compute Moment Curvature Diagrams of Prestressed Concrete Beams). The software is excellent and easy to use.

I used this book as a primary reference for a senior/graduate prestressed class. Overall, the book is clear and wonderful. I really appreciated the way the author stressed fundamental behavior. I found the section on deflections heavy going for my students so I picked a simpler, but less accurate, approach from Scordelis's report. I strongly encourage the author to update this book or publish a new text.

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