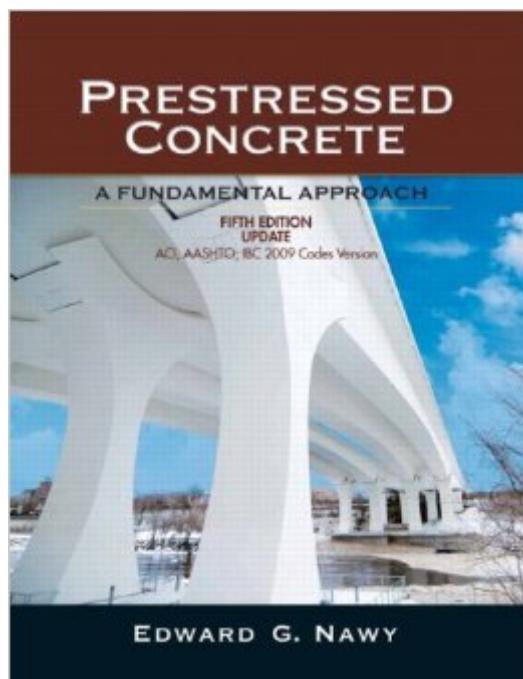


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Prestressed Concrete Fifth Edition Upgrade: ACI, AASHTO, IBC 2009 Codes Version (5th Edition)



Synopsis

Completely revised to reflect the new ACI 318-08 Building Code and International Building Code, IBC 2009, this popular book offers a unique approach to examining the design of prestressed concrete members in a logical, step-by-step trial and adjustment procedure. Integrates handy flow charts to help readers better understand the steps needed for design and analysis. Includes a revised chapter containing the latest ACI and AASHTO Provisions on the design of post-tensioned beam end anchorage blocks using the strut-and-tie approach in conformity with ACI 318-08 Code. Offers a new complete section with two extensive design examples using the strut-and-tie approach for the design of corbels and deep beams. Features an addition to the elastic method of design, with comprehensive design examples on LRFD and Standard AASHTO designs of bridge deck members for flexure, shear and torsion, conforming to the latest AASHTO specifications. Includes a revised chapter on slender columns, including a simplified load-contour biaxial bending method which is easier to apply in design, using moments rather than loads in the reciprocal approach. A useful construction reference for engineers.

Book Information

Hardcover: 984 pages

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Average Customer Review: 3.9 out of 5 starsÂ See all reviewsÂ (8 customer reviews)

Best Sellers Rank: #354,246 in Books (See Top 100 in Books) #31 inÂ Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #66 inÂ Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Masonry #153 inÂ Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Customer Reviews

Nawy's book doesn't seem to have the student in mind. Each concept is presented in very brief terms and is then supplemented by several examples which have complications in them that were not discussed, leaving the student constantly wondering "why does he do that?" Moreover, the formulas in the examples often contain only numbers, forcing the student to hunt down their

sources. Often, the numbers won't have a source. Nawy obviously knows a lot about the subject, but he doesn't seem very interested in effectively passing that knowledge on.

I have used this book to teach Prestressed Concrete. I chose it because it is the only book that's updated to the latest ACI 318 requirements. The table of contents covers all the important topics that an engineer would want to learn; unfortunately the style is dogmatic. The equations are not properly derived or explained (some eqs are not derived at all); no physical understanding is conveyed. Some examples actually have the wrong solution (ex. elastic shortening losses). It is impossible to learn from this book. It is obvious that the book was not put together with care or attention to detail, or to be of any use to present or future engineers. Its educational value is close to zero. This is a perfect example of what a book should NOT aspire to be (a sellable list of sexy and tantalizing topics, lacking essence).

Great condition!

No review as yet

Good condition

As promised.

good content

good

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