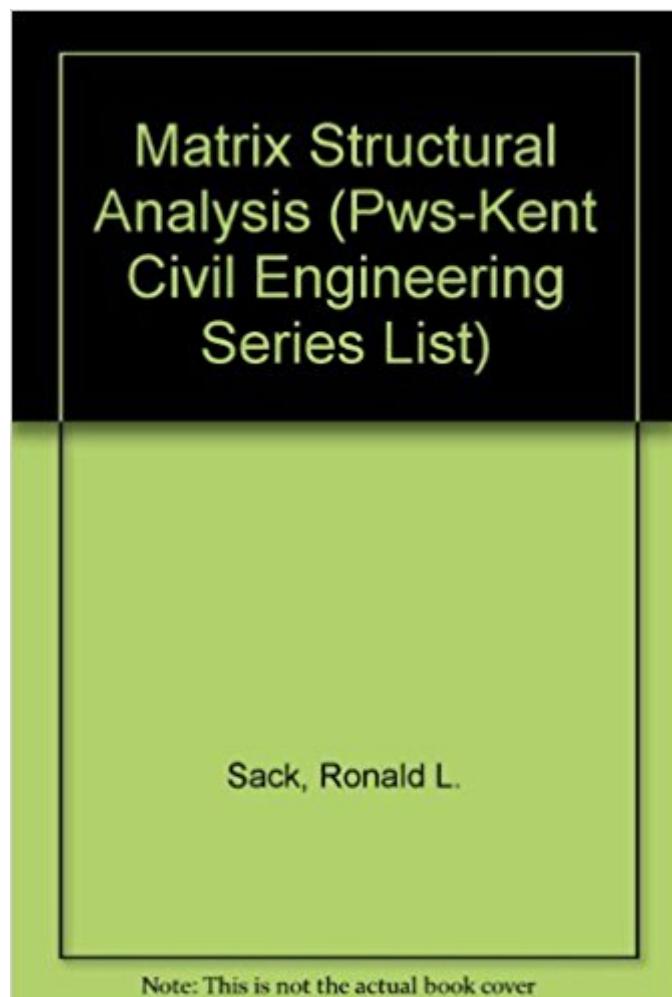


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# Matrix Structural Analysis (Pws-Kent Civil Engineering Series List)



## **Synopsis**

This introductory text will enable readers to understand and predict the static response of structures. Theory is illustrated using two and three dimensional trusses, beams and frames, with emphasis on the theory of the solution. Students are encouraged to write and use software to meet their needs, so that they fully understand the theory and gain a better understanding of sources of error in computed solutions. The text includes many examples (with annotations) which follow the theoretical developments and a comprehensive appendix on matrix algebra. This book should be of interest to students in departments of civil engineering taking courses in matrix structural analysis or advanced structures.

## **Book Information**

Series: Pws-Kent Civil Engineering Series List

Hardcover: 475 pages

Publisher: Pws Pub Co (March 1989)

Language: English

ISBN-10: 0534915647

ISBN-13: 978-0534915643

Product Dimensions: 9.4 x 6.9 x 1.1 inches

Shipping Weight: 1.5 pounds

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #1,374,607 in Books (See Top 100 in Books) #75 in [Books > Science & Math](#) > [Mathematics > Matrices](#) #685 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural](#) #1154 in [Books > Textbooks > Engineering > Civil Engineering](#)

## **Customer Reviews**

It is a very good, albeit succinct, reference on the direct stiffness method. Very useful for review or a quick reference. I used it as pocket TA during Prof. Filippou CE 220 course, even if the course covered a wider range of topics.

This Book walks you through the basics of Matrix Analysis, good for late undergrad classes when structures become too complex to analyze by hand. Well laid out and easy to understand with plenty of examples.

Excellent treatment of 2D and 3D. Good discussions and examples. Recommended for students,

engineers, and authors (How to write a Finite Element text).

The product arrived on time safe and sound. The product was covered against any kind of damage. Thanks for the good work!

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