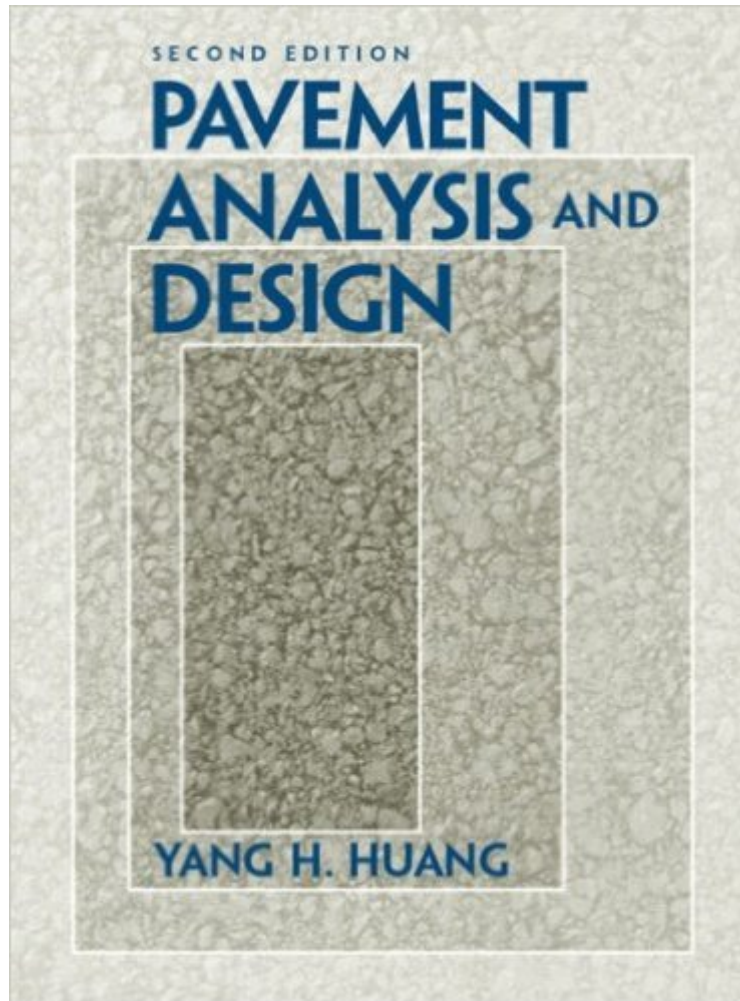


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# Pavement Analysis And Design (2nd Edition)



## Synopsis

This up-to-date book covers both theoretical and practical aspects of pavement analysis and design. It includes some of the latest developments in the field, and some very useful computer software developed by the author with detailed instructions. Specific chapter topics include stresses and strains in flexible pavements, stresses and deflections in rigid pavements, traffic loading and volume, material characterization, drainage design, pavement performance, reliability, flexible pavement design, rigid pavement design, design of overlays, theory of viscoelasticity, theory of elastic layer systems, Superpave, pavement management systems, and an introduction to the 2002 Pavement Design Guide. For practicing engineers in the design of pavements and raft foundations.

## Book Information

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Average Customer Review: 4.1 out of 5 stars See all reviews (18 customer reviews)

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## Customer Reviews

Overall, the book is helpful. It starts off discussing the general pavement types, design methods, and roads tests. Included in this section are the results of findings which, although not something I consider in everyday design, are items that are interesting enough to promote thought in my designs. All in all, I found almost all the chapters useful as they cover stresses in flexible and rigid pavements, rigid and flexible pavement design, drainage design, pavement performance, as well as a few other issues. The only downfall are the two chapters covering the authors computer program. Most books have this problem, though, as technology quickly outgrows software, but enough information is given in relation to results of parametric studies to make these chapters worth the

time needed to read through them. All in all, a pretty good purchase.

This is probably the best, most comprehensive textbook on pavement analysis and design available currently. It is very thorough, and I highly recommend it for both students and practicing professionals.

So what I can say about this book? It's simply the best. From very basic to advance pavement design, this book is full of theoretical concerns about the pavement design as well as empirical methods for special pavements. It also includes a software to simulate a road different layers behaviour when loads applied on top. Very useful and, in my opinion, a must-have for those engineers who work in this business.

It is a very detailed text-book containing full description of the methods used. It distributes also the KENPAVE software which is the State-of-the-Art software for Pavements. It also cites and criticizes the Westergaard's solution as it has been reconsidered by Ioannides et al. It is absolutely necessary for the engineers occupying with science and practice.

Even it is not up to date (the new ME-PDG), but it can be a good reference, but it contains detailed historical information and some methodologies that no longer in use, it is better for undergraduate students.

Best book on Pavement design I have yet seen.

Pretty good book for Pavement analysis and designs. The only drawback is I didn't get the software CD from the seller!!

I recommend it! excellent book. Complete and actual. I bought it in USA and it was sent to Brazil. It arrived in less than one week!

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