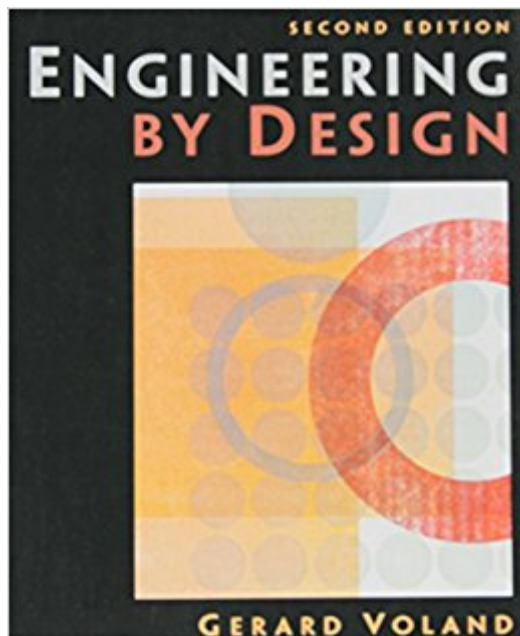


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Engineering By Design (2nd Edition)



Synopsis

The book introduces readers to a broad range of important design topics. It provides numerous cases that illustrate both successes and failures in engineering design; qualitative presentation of engineering practices are easily understood by readers with little technical knowledge, and analytical techniques are given that allow the development and evaluation of proposed engineering solutions. Coverage includes: an overview of engineering design, needs assessment, structuring the search for the problem, structuring the search for a solution (design goals and specifications), acquiring and applying technical knowledge, abstraction and modeling, synthesis, ethics and product liability issues, and hazards analysis and failure analysis. An excellent handbook for design engineers.

Book Information

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Gerard Volland has taught design for 20 years and pioneered an innovative, nationally recognized freshman design course at Northeastern University. In 1994 he was named the George A. Snell Professor of Engineering in appreciation for his work with this freshman design course and with engineering curriculum reform at Northeastern. He is also the author of textbooks on engineering graphics and control systems modeling. He lives in Bridgewater, Massachusetts, with his wife, Margaret Volland, a mathematician who researched and developed the case problems in this book.

--This text refers to an out of print or unavailable edition of this title.

Average book. Great price, good quality, and excellent delivery.

If you are taking an engineering design class or working on an engineering design project then this book is helpful and informative. There are a lot of relevant case studies and design processes outlined that can be useful as you consider the important components of your design. So far my design group has used some of the procedures in the book to help clarify primary design goals and specifications we need to consider as we begin to plan our design. If you are just looking for a fun and interesting read about engineering design, then this probably is not the right book for you though.

It's just a textbook nothing to see here.

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