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Environmental Control Systems: Heating, Cooling, Lighting



Synopsis

A text/reference for architects and architectural engineering students taking a course on energy methods, this work places emphasis on the impact of heating, cooling and lighting on site of building design and features a variety of case studies as illustration. It includes over 640 diagrams and drawings emphasizing important concepts and over 250 study questions to consolidate learning.

Book Information

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Customer Reviews

This course textbook is an excellent tool for both the beginner and the experienced architect with regard to expanding one's knowledge base on energy designing. The text starts with basic information relating to the environment and site analysis, then provides detailed design concepts for practical use. The materials include current examples for review and study, as well as a wealth of tables and calculation aids for application of the theories studied. Even the individual who just wants a single source for receiving a working knowledge of how to evaluate a site's characteristics with regard to the environment would benefit from this text.

good introduction to heating lighting and cooling systems in buildings. Covers basic physical principles, human response, design response to site and ong emphasis on passive systems with lighter coverage of mechanical and electrical systems. Lots of wroked examples, case studies, design guidelines, and illustrations by the author. Useful both as a text for architecture students as well as a refresher for practitioners.

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