



Performance-Based Fire Safety Design

Morgan J. Hurley, Eric R. Rosenbaum

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Master an Approach Based on Fire Safety Goals, Fire Scenarios, and the Assessment of Design Alternatives

Performance-Based Fire Safety Design demonstrates how fire science can be used to solve fire protection problems in the built environment. It also provides an understanding of the performance-based design process, deterministic and risk-based analysis techniques, development of design fire scenarios, trial design development and analysis, and building lifecycle management.

Develop a Strategy That Meets the Fire Safety Goals for a Building

Topics addressed include designing to protect people from fire, design of detection systems, smoke control systems and structural fire resistance, addressing computational and design uncertainty, and fire testing to support design development or evaluation.

- Identifies key attributes of performance-based design
- Reviews the advantages and disadvantages of performance-based design over specification-based prescriptive design
- Provides a series of steps offering a framework/process for performance-based design

Performance-Based Fire Safety Design focuses on the development and application of performance-based fire safety design approaches. Written by leading experts in the field, this text addresses the unique features and uses of a building and helps you gain a better understanding of how a building will perform in the event of a fire.

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