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Titolo	Plan for study : response of the habitat and biota of the inner New York Bight to abatement of sewage sludge dumping
Pubbl/distr/stampa	U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Center Woods Hole, Massachusetts
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia

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Autore	Razdolsky Leo
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Pubbl/distr/stampa	Cambridge : , : Cambridge University Press, , 2014
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Descrizione fisica	1 online resource (xv, 336 pages) : digital, PDF file(s)
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Disciplina	693.8/2
Soggetti	Building, Fireproof Fire loads Structural failures - Prevention Structural analysis (Engineering)
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Machine generated contents note: 1. Introduction; 2. Introduction to probability theory; 3. Random processes; 4. Very fast fire severity: probabilistic structural fire-resistance design; 5. Fast fire and life-cycle cost analysis; 6. Medium fire severity and thermal-diffusivity analysis; 7. Slow fire severity and structural analysis and design.
Sommario/riassunto	In the structural design of airframes and buildings, probability-based procedures are used to mitigate the risk of failure as well as produce cost-effective designs. This book introduces the subject of probabilistic analysis to structural and fire protection engineers and can also be used as a reference to guide those applying this technology. In addition to providing an understanding of how fire affects structures and how to optimize the performance of structural framing systems, Probability-Based Structural Fire Load provides guidance for design professionals and is a resource for educators. The goal of this book is to bridge the gap between prescriptive and probability-based performance design methods and to simplify very complex and comprehensive computer analyses to the point that stochastic structural fire loads have a simple, approximate analytical expression that can be used in structural analysis and design on a day-to-day basis. Numerous practical examples are presented in step-by-step computational form.