1. Record Nr. UNINA9911018805503321

Autore	Jin Wei-Liang
Titolo	Structural Reliability in Civil Engineering
Pubbl/distr/stampa	Newark : , : John Wiley & Sons, Incorporated, , 2022 ©2025
ISBN	9781119419044 1119419042 9781119419006 111941900X 9781119419051 1119419050
Edizione	[1st ed.]
Descrizione fisica	1 online resource (449 pages)
Altri autori (Persone)	YeQian BaiYong
Disciplina	624
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Structural Reliability in Civil Engineering gives essential insights into the complexities of uncertainty in engineered structures, along with practical examples and advanced methods, making it an invaluable resource for both theory and real-world application in your civil engineering projects. Uncertainties are associated with the design, evaluation, and dynamic analysis of engineered structures. Structural Reliability in Civil Engineering introduces a developmental overview and basic concepts of reliability theory, uncertainty analysis methods, reliability calculation methods, numerical simulation methods of reliability, system reliability analysis methods, time-varying structural reliability, load and load combination methods, the application of reliability in specifications, and the application of reliability theory in practical engineering. This book not only discusses reliability theory in civil structural engineering but also presents valuable examples to illustrate the application of reliability theory to practical questions and

comprehensively elaborates on some theories related to reliability from a brand-new perspective.