

1. Record Nr.	UNINA9910829904903321
Autore	Elsayed Elsayed A.
Titolo	Reliability engineering / / Elsayed A. Elsayed
Pubbl/distr/stampa	Hoboken, New Jersey ; ; West, Sussex, England : , : Wiley, , [2021] Â©2021
ISBN	1-119-66590-6 1-119-66589-2 1-119-66594-9
Edizione	[Third edition.]
Descrizione fisica	1 online resource (xix, 904 pages)
Collana	Wiley series in systems engineering and management
Disciplina	620.00452
Soggetti	Reliability (Engineering)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Sommario/riassunto	"This book divides the engineering reliability process into multiple parts. Part I focuses on system reliability estimation for time independent and time dependent models, helping engineers create a "firm" design. Part II presents the concept of constructing the likelihood function and its use in estimating the parameters of a failure time distribution. This aids the reader in assembling necessary components and configures them to achieve desired reliability objectives, conducting reliability tests on components and using field data from similar components. Part III addresses Physics of Failures, Mechanical Reliability and System Resilience. Finally, Part IV of the book focuses on ensuring reliability objectives by providing preventive and scheduled maintenance and warranty policies."--