1. Record Nr. UNINA9910268658203321

Autore	Anitori, Rossella
Titolo	Vite insieme : dalle comuni agli ecovillaggi / Rossella Anitori
Pubbl/distr/stampa	Roma : DeriveApprodi, 2012
ISBN	978-88-6548-048-9
Descrizione fisica	124 p. : ill. ; 21 cm
Collana	DeriveApprodi ; 106
Disciplina	307.77
Locazione	FSPBC
Collocazione	COLLEZ. 2222(106)
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910746094103321

Autore	Nahin Paul J
Titolo	The Probability Integral : Its Origin, Its Importance, and Its Calculation / / by Paul J. Nahin
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	3-031-38416-4
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (205 pages)
Disciplina	530.15 519.2
Soggetti	Mathematical physics Engineering mathematics Measure theory Probabilities Statistics History Mathematics Mathematical Methods in Physics Engineering Mathematics Measure and Integration Probability Theory

	History of Statistics History of Mathematical Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. De Moivre and the Discovery of the Probability Integral -- Chapter 2. Laplace's First Derivation -- Chapter 3. How Euler Could Have Done It Before Laplace (but did he?) -- Chapter 4. Laplace's Second Derivation -- Chapter 5. Generalizing the Probability Integral -- Chapter 6. Poisson's Derivation -- Chapter 7. Rice's Radar Integral -- Chapter 8. Liouville's Theorem that Has No Finite Form -- Chapter 9. How the Error Function Appeared in the Electrical Response of the Trans-Atlantic Telegraph Cable -- Chapter 10. Doing the Probability Integral with Differentiation -- chapter 11. The Probability Integral as a Volume -- Chapter 12. How Cauchy Could Have Done It (but didn't) -- Chapter 13. Fourier Has the Penultimate Technical Word -- Chapter 14. Finbarr Holland Has the Last Technical Word -- Chapter 15. A Final Comment on Mathematical Proofs.
Sommario/riassunto	This book tells the story of the probability integral, the approaches to analyzing it throughout history, and the many areas of science where it arises. The so-called probability integral, the integral over the real line of a Gaussian function, occurs ubiquitously in mathematics, physics, engineering and probability theory. Stubbornly resistant to the undergraduate toolkit for handling integrals, calculating its value and investigating its properties occupied such mathematical luminaries as De Moivre, Laplace, Poisson, and Liouville. This book introduces the probability integral, puts it into a historical context, and describes the different approaches throughout history to evaluate and analyze it. The author also takes entertaining diversions into areas of math, science, and engineering where the probability integral arises: as well as being indispensable to probability theory and statistics, it also shows up naturally in thermodynamics and signal processing. Designed to be accessibleto anyone at the undergraduate level and above, this book will appeal to anyone interested in integration techniques, as well as historians of math, science, and statistics.