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Autore	Huizinga, Johan
Titolo	Herbst des Mittelalters : Studien über Lebens und Geistesformen des 14 . und 15. Jahrhunderts in Frankreich und in den Niederlanden / J. Huizinga ; Herausgegeben von Kurt Köster
Pubbl/distr/stampa	Stuttgart : Kröner, 1952
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Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNISA996418435503316
Autore	Herres David
Titolo	Oscilloscopes : a manual for students, engineers, and scientists / / David Herres
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-53885-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (X, 267 p. 192 illus., 168 illus. in color.)
Disciplina	530.8
Soggetti	Oscilloscopes Physical measurements Measurement
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Includes index.
Nota di contenuto	Introduction -- History of Oscilloscopes/ Fourier's mathematical transformation -- Semiconductors inside the oscilloscope and as objects of inquiry -- Bench-top vs. hand-held, battery-operated

instruments, and use of the differential probe -- The math function in oscilloscopes -- Oscilloscope memory depth and sampling rate problems -- Using cursors to measure the value of a function -- Oscilloscope troubleshooting techniques -- Networking oscilloscopes with each other and with local and remote computers -- The PC-based oscilloscopes -- Triggered-sweep digital storage oscilloscope block diagram -- What lies ahead -- In a nutshell, Artificial Intelligence.

Sommario/riassunto

This text presents readers with an engaging while rigorous manual on the use of oscilloscopes in laboratory and field settings. It describes procedures for measuring and displaying waveforms, gives examples of how this information can be used for repairing malfunctioning equipment and developing new designs, and explains steps for debugging pre-production prototypes. The book begins by examining how the oscilloscope displays electrical energy as traces on X and Y coordinates, freely transitioning without loss of information between time and frequency domains, in accordance with the Fourier Transform and its modern correlate, the Fast Fourier Transform. The book continues with practical applications and case studies, describes how oscilloscopes are used in diagnosing pulse width modulation (PWM) problems--looking at serial data streaming and analyzing power supply noise and premises power quality issues—and emphasizes the great functionality of mixed-signal as opposed to mixed-domain oscilloscope, and earlier instruments. Featuring many descriptions of applications in applied science and physics, *Oscilloscopes: A Manual for Students, Engineers, and Scientists* is ideal for students, faculty, and practitioners.
