

1. Record Nr.	UNINA9910778299603321
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Titolo	Modern radar systems // Hamish Meikle
Pubbl/distr/stampa	Boston : , : Artech House, , ©2008 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-5231-1747-8 1-59693-243-0
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (721 p.)
Collana	Artech House radar series
Disciplina	621.3848
Soggetti	Radar
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The radar and its ground environment -- Usual and unusual concepts -- Transmitters -- Microwave waveguide and transmission line system -- Antennas -- Factors outside the radar : propagation, scattering, and clutter -- Receivers -- Matched and matching filters -- Detectors -- Analogue to digital conversion -- Signal processing -- Threshold and detection -- Determination of position -- Performance -- Statistics -- Transforms.
Sommario/riassunto	This revised and updated edition to the popular Artech House book, Modern Radar Systems, offers complete and current coverage of the subject, including new material on accuracy, resolution, and convolution and correlation. The book features more than 540 illustrations (drawn in Maple V) that offer a greater understanding of various waveforms, and other two- and three-dimensional functions, to help you more accurately analyze radar system performance. The effects of pulse shaping on transmitter stability and spectra are discussed? a topic which is becoming more and more important in the age of electromagnetic compatibility. The book addresses the importance of low attenuation and reflection between the main radio frequency blocks, including the use of oversized waveguides for long runs.