

1. Record Nr.	UNINA9910826744403321
Autore	Siegel Erica
Titolo	The Acupuncture Point Functions Charts and Workbook
Pubbl/distr/stampa	London : , : Jessica Kingsley Publishers, , 2019 ©2019
ISBN	1-78775-009-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (74 pages)
Disciplina	615.8/92
Soggetti	Acupuncture points Acupuncture
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	A straightforward learning resource, covering the different acupuncture points in the body and their functions. Perfect for visuals learners, it shows the primary meridians, extraordinary meridians and known extra points, in an easy to understand format with blank charts for students to make their own notes.

2. Record Nr.	UNINA9911006595203321
Autore	Jeffrey Tom <1954->
Titolo	Phased-array radar design : application of radar fundamentals / / Tom Jeffrey
Pubbl/distr/stampa	Raleigh, NC, : SciTech Pub., c2009
ISBN	1-61353-145-1 1-61344-152-5
Descrizione fisica	1 online resource (343 p.)
Collana	THEi IET ebooks
Disciplina	621.3848/3
Soggetti	Phased array antennas - Design and construction 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	Contents; Preface; Abbreviations; 1. Radar Fundamentals; 1.1 Introduction; 1.2 Search and Track Functions; 1.3 Target Detection, Resolution, and Clutter Concepts; 1.3.1 Target Detection; 1.3.2 Radar Resolution; 1.3.3 Clutter Backscatter; 1.4 Surveillance Radars; 1.4.1 Volume Search; 1.5 Radar Block Diagram; 1.6 Radar Range Equation; 1.6.1 Jamming Effects on Signal-to-Noise Ratio; 1.6.2 Other Forms of the Radar Range Equation; 1.6.2.1 Radar Range Equation for Volume Search; 1.6.2.2 Radar Range Equation for Horizon Fence Search; 1.6.2.3 Radar Range Equation for Tracking 1.6.2.4 Radar Range Equation Summary 1.7 Detection in Noise; 1.7.1 Target Models; 1.7.2 Detection and False Alarm Probabilities; 1.7.3 Detection in Thermal Noise; 1.7.4 Constant False Alarm Rate Processors; 1.7.5 Detection in Clutter; 1.8 Resolution and Measurement Accuracy; 1.9 Tracking Radars and the Monopulse Technique; 1.10 Track-While-Scan Radars; 1.11 References; 1.12 Problems; 2. Target Detection; 2.1 Introduction; 2.2 Target Radio Frequency (RF) Scattering Models; 2.3 Target Detection in Noise; 2.4 Target Detection in Clutter; 2.5 Multiple-Pulse Detection; 2.5.1 Binary Integration 2.5.2 Non-Coherent Integration 2.5.3 Coherent Integration; 2.6 References; 2.7 Problems; 3. Waveforms, Matched Filtering, and Radar Signal Processing; 3.1 Introduction; 3.2 Complex-Waveform Representations; 3.3 Fourier Transforms; 3.4 Matching Filtering; 3.5

Waveform Ambiguity Diagram; 3.6 The Fast Fourier Transform (FFT); 3.7 Digital Implementation of Matched Filters; 3.8 Phase-Coded Waveforms; 3.9 Waveform Scheduling; 3.10 Waveforms and Radar Functions; 3.11 Other Radar Signal Processing Functions; 3.11.1 Constant False Alarm Rate Processing; 3.11.2 Monopulse Processing; 3.12 References

3.13 Problems

4. Search and Acquisition Functions; 4.1 Introduction; 4.2 Types of Searches; 4.2.1 Volume Search; 4.2.2 Horizon Search Fence; 4.2.3 Cued Search; 4.2.4 Multiple-Beam Search; 4.3 Acquisition Waveforms and Processing; 4.4 References; 4.5 Problems; 5. Estimation, Tracking, and Data Association; 5.1 Introduction; 5.2 Parameter Estimation for Radar; 5.3 The Radar Tracking Function; 5.3.1 Coordinate Systems; 5.4 Types of Tracking Filters; 5.4.1 Fixed-Gain Filters; 5.4.2 Computed-Gain Filters; 5.4.2.1 Kalman Filters; 5.4.2.2 Interacting Multiple-Model Filters

5.5 Data Association Algorithms

5.5.1 Nearest Neighbor; 5.5.2 Probabilistic Data Association; 5.5.3 Joint Probabilistic Data Association; 5.5.4 Nearest-Neighbor JPDA; 5.5.5 Multiple-Hypothesis Track; 5.5.6 Other Assignment Algorithms; 5.6 Tracking Air Targets; 5.7 Tracking Ballistic Missile Targets; 5.8 Tracking Surface Targets; 5.9 References;

6. Target Classification, Discrimination, and Identification; 6.1 Introduction; 6.2 The Target Classification Problem; 6.3 Radar-Measured Target Features; 6.4 Waveforms and Signal Processing

6.4.1 Classification, Discrimination, and Identification Waveforms

Sommario/riassunto

Phased-Array Radar Design is a text-reference designed for electrical engineering graduate students in colleges and universities as well as for corporate in-house training programs for radar design engineers, especially systems engineers and analysts who would like to gain hands-on, practical knowledge and skills in radar design fundamentals, advanced radar concepts, trade-offs for radar design and radar performance analysis.
