1. Record Nr. UNINA990005282480403321

Autore	Garufi, Carlo Alberto
Titolo	Fatti e personaggi dell'Inquisizione in Sicilia / Carlo Alberto Garufi
Pubbl/distr/stampa	Palermo : Sellerio, c1978
Descrizione fisica	IX, 315 p. ; 24 cm
Collana	Biblioteca siciliana di storia e letteratura ; 6
Disciplina	272.209458
Locazione	SDI FLFBC
Collocazione	SDI-2E 25 272.2 GAR 1 (BIS) 272.2 GAR 1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910140639903321

Autore	Chen Yikai <1984->
Titolo	Charasteristic modes : theory and applications in antenna engineering / / Yikai Chen, Chao-Fu Wang
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, Inc., , [2015] ©2015
ISBN	1-119-03889-8 1-119-03890-1
Descrizione fisica	1 online resource (294 p.)
Classificazione	TEC008000
Disciplina	621.3848
Soggetti	Radar - Automatic detection Antennas (Electronics) - Automatic control
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 at the end of each chapters and index.
Nota di contenuto	-- List of Figures ix -- List of Tables xvii -- Preface xix -- 1 Introduction 1 -- 1.1 Backgrounds 1 -- 1.2 An Introduction to Characteristic Mode Theory 3 -- 1.2.1 Traditional Modal Analysis in Antenna Engineering 3 -- 1.2.2 Definition of Characteristic Modes 6 -- 1.2.3 Primary Properties of Characteristic Modes 7 -- 1.2.4 Variants of Characteristic Modes 7 -- 1.3 Characteristic Modes in Antenna Engineering 10 -- 1.3.1 Pioneering CM Studies (1965 / 1990) 12 -- 1.3.2 Recent CM Developments (1991 / 2014) 13 -- 1.4 Characteristic Modes in Scattering Computation 19 -- 1.5 Outline of this Book 20 -- References 22 -- 2 Characteristic Mode Theory for PEC Bodies 37 -- 2.1 Backgrounds 37 -- 2.2 Surface Integral Equations 39 -- 2.2.1 Maxwell's Equations 39 -- 2.2.2 Electromagnetic Boundary Condition 39 -- 2.2.3 Magnetic Vector Potential and Electric Scalar Potential 40 -- 2.2.4 Electric Field Integral Equation 41 -- 2.2.5 Magnetic Field Integral Equation 43 -- 2.3 Method of Moments 43 -- 2.4 EFIE Based CM Formulation 47 -- 2.4.1 Conventional Derivation 47 -- 2.4.2 Poynting's Theorem Based Derivation 48 -- 2.4.3 Othogonality of Characteristic Modes 49 -- 2.4.4 Physical Interpretation of Eigenvalues 51 -- 2.4.5 Physical Interpretation of Modal Significances 52 -- 2.4.6 Physical Interpretation of Characteristic Angles 54 -- 2.5 MFIE Based CM

Experimental Validations 258 -- 6.3.4 Practical Implementation 260 -- 6.3.5 Summary 262 -- 6.4 Conclusions 263 -- References 263 -- Index 267.

Sommario/riassunto

"This book examines the characteristic mode (CM) theory for various electromagnetic structures as well as their applications in antenna engineering. The book covers the theoretical developments, numerical implementations, and the applications of the various CM theories. The authors provide antenna scientists and engineers with the theoretical developments, numerical implementations, and design methodologies of the CM theory. The readers will find the basic coverage of all aspects of the CM theory, which provides the background needed when they desire to solve their challenging antenna design problems using the CM theory. This book will cover the following topics in seven chapters: -- A detailed overview of the CM research history and the very important milestones; -- A comprehensive introduction of the CM theories for various electromagnetic structures including: PEC bodies, structures in multilayered medium, dielectric bodies, and N-port networks; -- Numerical implementation of the CM theories and the related algorithms; -- Systematic CM-based approaches to design low frequency platform mounted antenna systems; -- Novel feeding structures to excite the antenna platform as the radiator; -- CM-based microstrip antenna, dielectric resonant antenna, and antenna array designs; -- Experimental verifications illustrating the versatility of the CM theory in antenna engineering"--

3. Record Nr. UNINA9910787963003321

Autore	Pascual Diego Galar
Titolo	Artificial intelligence tools : decision support systems in condition monitoring and diagnosis / / Diego Galar Pascual
Pubbl/distr/stampa	Boca Raton, Florida : , : CRC Press, , [2015] ©2015
ISBN	1-4987-6019-8 0-429-10232-1 1-4665-8406-8
Descrizione fisica	1 online resource (528 p.)
Disciplina	658.2020285
Soggetti	Industrial equipment - Maintenance and repair - Data processing Machinery - Monitoring Artificial intelligence - Industrial applications
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 at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Preface; Acknowledgments; Author; Chapter 1: Massive Field Data Collection: Issues and Challenges; Chapter 2: Condition Monitoring: Available Techniques; Chapter 3: Challenges of Condition Monitoring Using AI Techniques; Chapter 4: Input and Output Data; Chapter 5: Two-Stage Response Surface Approaches to Modeling Drug Interaction; Chapter 6: Nearest Neighbor-Based Techniques; Chapter 7: Cluster-Based Techniques; Chapter 8: Statistical Techniques; Chapter 9: Information Theory-Based Techniques; Chapter 10: Uncertainty Management; Back Cover
Sommario/riassunto	Artificial Intelligence Tools: Decision Support Systems in Condition Monitoring and Diagnosis discusses various white- and black-box approaches to fault diagnosis in condition monitoring (CM). This indispensable resource:Addresses nearest-neighbor-based, clustering-based, statistical, and information theory-based techniquesConsiders the merits of each technique as well as the issues associated with real-life applicationCovers classification methods, from neural networks to Bayesian and support vector machinesProposes fuzzy logic to explain the uncertainties associated with diagnostic processes