1. Record Nr. UNINA9910705884503321

Autore	Zhu Junyong
Titolo	Bioconversion of woody biomass to biofuel and lignin co-product using sulfite pretreatment to overcome the recalcitrance of lignocelluloses (SPORL) / / J.Y. Zhu [and four others]
Pubbl/distr/stampa	Madison, Wis. : , : United States Department of Agriculture, Forest Service, Forest Products Laboratory, , 2016
Descrizione fisica	1 online resource (28 pages) : color illustrations
Collana	General technical report FPL ; ; GTR-240
Soggetti	Sulfite pulping process Forest biomass - Refining - United States Lignocellulose Lignin Biomass energy - United States Online resources.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"September 2016."
Nota di bibliografia	Includes bibliographical references (pages 25-28).

2. Record Nr. UNINA9910790638103321

Autore	Svensson Isak
Titolo	Ending holy wars [[electronic resource]] : religion and conflict resolution in civil wars / / Isak Svensson
Pubbl/distr/stampa	St Lucia, Qld., : UQP, 2012
ISBN	0-7022-4904-1 0-7022-4905-X
Descrizione fisica	1 online resource (233 p.)
Collana	New approaches to peace and conflict
Disciplina	201.7273 299.00
Soggetti	Peace Diplomacy Conflict management Civil war
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	Front Cover ; Author biography; Other titles in UQP's New Approaches to Peace and Conflict series; Title page; Imprint page; Dedication; Note from Series Editor; Contents; List of tables and graphs; Preface; Introduction; Chapter 1 - Where and when do religious conflicts occur?; Chapter 2 - Which religious conflicts are difficult to resolve?; Chapter 3 - How do religious issue conflicts get resolved through peace agreements?; Chapter 4 - How do religious issue conflicts get resolved through concessions?; Chapter 5 - Towards a theory of desacralisation; Chapter 6 - Implications AcknowledgementsNotes; References; Index
Sommario/riassunto	<P style=""MARGIN: 0in 0in 0pt"" class=MsoNormal>An exploration of how religious dimensions affect the possibilities for conflict resolution in civil war, this account systematically attempts to map out the religious dimensions of internal armed conflicts and to explain the conditions under which religious dimensions impede peaceful settlement. Drawing upon empirical work on global data, and based on the Uppsala Conflict Data Program, this book shows how religious identities and incompatibilities influence the likelihood of agreements

and the mechanisms through which parties and third-party me

3. Record Nr. UNINA9910829907903321

Autore	Duan Baoyan
Titolo	Electromechanical coupling theory, methodology and applications for high-performance microwave equipment / / Baoyan Duan and Shuxin Zhang
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, , [2023] ©2023
ISBN	1-119-90442-0 1-119-90440-4
Descrizione fisica	1 online resource (339 pages)
Disciplina	621.381/32
Soggetti	Microwave circuits Microwave devices Couplings
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title Page -- Copyright -- Contents -- About the Authors -- Preface -- Chapter 1 Background of Electromechanical Coupling of Electronic Equipment -- 1.1 Introduction -- 1.2 Characteristics of Electronic Equipment -- 1.3 Components of Electronic Equipment -- 1.3.1 Mechanical and Structural Part of Electronic Equipment -- 1.3.2 Electrical Part of Electronic Equipment -- 1.4 On research of Electromechanical Coupling (EMC) of Electronic Equipment -- 1.4.1 Current Status of Research on Electromechanical Coupling of Electronic Equipment -- 1.4.2 The Development Trends of Electronic Equipment -- 1.4.2.1 High Frequency and High Gain -- 1.4.2.2 Broad Bandwidth, Multiband, and High Power -- 1.4.2.3 High Density and Miniaturization -- 1.4.2.4 Fast Response and High Pointing Accuracy -- 1.4.2.5 Good Environmental Adaptability -- 1.4.2.6 Integration -- 1.4.2.7 Intelligence -- 1.5 Problem of the Traditional Design Method of Electronic Equipment -- 1.5.1 Traditional Design Method and Problems

with Electronic Equipment -- 1.5.2 The Electromechanical Coupling Problem of Electronic Equipment and Its Solution -- 1.6 Main Science and Technology Respects of Design for Electronic Equipment -- 1.6.1 Holism of Electronic Equipment System Design -- 1.6.2 Electromechanical Coupling Theory of Electronic Equipment -- 1.6.3 Test and Evaluation Methods of Electronic Equipment -- 1.6.4 Environmental Adaptability (Thermal, Vibration, and EMC) and Reliability of Electronic Equipment -- 1.6.5 Special Electronic Equipment -- 1.6.6 Electromechanical Coupling Design of Electronic Equipment -- 1.6.6.1 Electromechanical Coupling Design of Antennas -- 1.6.6.2 Integrated Design of Radar Antenna Servo System -- 1.6.6.3 Coupling Design of HighDensity Chassis -- 1.7 Mechatronics Marching Toward Coupling Between Mechanical and Electronic Technologies -- References.
Chapter 2 Fundamental of Establishing Multifield Coupling Theoretical Model of Electronic Equipment -- 2.1 Introduction -- 2.2 Mathematical Description of Electromagnetic (EM), Structural Deformation (S), and Temperature (T) Fields -- 2.2.1 Electromagnetic Field -- 2.2.2 Structural Displacement Field -- 2.2.3 Temperature Field -- 2.3 Consideration of Establishing Multifield Coupling Model -- References -- Chapter 3 Multifield Coupling Models of Four Kinds of Typical Electronic Equipment -- 3.1 Introduction -- 3.2 Reflector Antennas -- 3.2.1 Influence of Main Reflector Deformation -- 3.2.2 Influence of the Feed Position Error -- 3.2.3 Effect of Feed Pointing Error -- 3.2.4 Electromechanical Twofield Coupling Model -- 3.2.5 Dual Reflector Antenna -- 3.2.6 Experiment -- 3.2.6.1 Basic Parameters -- 3.2.6.2 The Basic Idea of the Experiment -- 3.2.6.3 Working Conditions and Deformation -- 3.2.6.4 Measurement and Environment -- 3.2.6.5 Calculated and Measured Results -- 3.3 Planar Slotted Waveguide Array Antennas -- 3.3.1 Effect of Position Error of the Radiation Slot -- 3.3.2 Effect of Radiation Slot Pointing Deflection -- 3.3.3 Effect of Seam Cavity Deformation on Radiation Seam Voltage -- 3.3.4 Twofield Electromechanical Coupling Model -- 3.3.5 Experiment -- 3.3.5.1 Basic Parameters -- 3.3.5.2 Basic Idea -- 3.3.5.3 Working Condition and Deformation -- 3.3.5.4 Testing and Environment -- 3.3.5.5 Calculated and Measured Results -- 3.4 Active Phased Array Antennas -- 3.4.1 Effect of Change of Position and Attitude of the Radiation Unit -- 3.4.2 Effect of Array Surface Manufacturing and Assembly Errors -- 3.4.3 Effect of Radiation Array Element Manufacturing and Assembly Errors -- 3.4.3.1 Waveguide Flange Connection Discontinuity -- 3.4.3.2 Influence of Waveguide Inner Wall Roughness -- 3.4.3.3 Effect of Temperature Drift of T/R Components.
3.4.4 Effect of Mutual Coupling of Radiation Elements on the Radiation Performance of Antennas -- 3.4.5 Theoretical Model of Electromagnetic-Displacement-Temperature Fields Coupling -- 3.4.6 Experiment -- 3.4.6.1 Basic Parameters -- 3.4.6.2 Basic Ideas -- 3.4.6.3 Working Conditions and Array Surface Errors -- 3.4.6.4 Measurement and Environment -- 3.4.6.5 Calculated and Measured Results -- 3.5 Highdensity Cabinets -- 3.5.1 Effect of Contact Gaps -- 3.5.2 Effect of Heat Sink Holes and Structural Deformation -- 3.5.3 Theoretical Model of Electromagnetic-Displacement-Temperature Fields Coupling -- 3.5.4 Experiment -- 3.5.4.1 Basic Parameters -- 3.5.4.2 Measurement and Environment -- 3.5.4.3 Calculated and Measured Results -- References -- Chapter 4 Solving Strategy and Method of the Multifield Coupling Problem of Electronic Equipment -- 4.1 Introduction -- 4.2 Solving Strategy of the Multifield Coupling Problem -- 4.3 Solving Method of the Multifield Coupling Problem -- 4.3.1 Solution Method of Direct Coupling Analysis -- 4.3.2 Solution

Method of Sequential Coupling Analysis -- 4.3.3 Solution Method for Mathematical Decoupling Analysis -- 4.3.4 Solution Method of Integrated Optimization Analysis -- 4.4 General Approach Method of the Multifield Coupling Problem -- 4.4.1 Neighborhood Interpolation Method -- 4.4.2 Mapping Method -- 4.4.3 Spline Function Interpolation Method -- 4.4.4 Continuation Method -- 4.5 The Mesh Matching Among Different Fields -- 4.5.1 Generated Directly in the Structural Finite Element Mesh -- 4.5.2 Mesh Mapping from Structure to EM -- 4.6 Mesh Transformation and Information Transfer -- 4.6.1 Transmission of Deformation Information -- 4.6.2 Extraction of Deformed Meshes -- References -- Chapter 5 Influence Mechanism (IM) of Nonlinear Factors of AntennaServoFeeder Systems on Performance -- 5.1 Introduction.
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5.5 ISFP of Microwave Feeder and Filters -- 5.5.1 Hierarchical Relationship Model of the Influence of Structural Factors on the Resonant Cavity Filters -- 5.5.2 Influence of Structural Factors on the Noload Q Value of the Resonant Cavity -- 5.5.2.1 Influence of Geometric Shape, Size, and Position Deviation on the Noload Q Value -- 5.5.2.2 Relationship Between Surface Roughness and Equivalent Conductivity -- 5.5.2.3 Relationship Between Coating Quality and Equivalent Conductivity -- 5.5.2.4 Influence of Coaxial Cavity Assembly Connection Quality on Noload Q Value -- 5.5.3 Influence of Structural Factors on the Coupling Coefficient -- 5.5.3.1 Influence of Coupling Hole Structure Factors on the Coupling Coefficient -- 5.5.3.2 Analysis of the Influence of the Position and Size of the Coupling Diaphragm and the Length of the Resonant Rod on the Coupling Coefficient -- 5.5.4 Influence of Tuning Screw on Resonance Frequency and Coupling Coefficient -- 5.5.4.1 Effect of Screwin Depth on Resonant Frequency -- 5.5.4.2 Relationship of the Influence of the Tuning Screw on the