

1. Record Nr.	UNINA9910131540603321
Autore	Martin Ferran <1965->
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Collana	Wiley Series in Microwave and Optical Engineering
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Soggetti	Radio lines Microwave transmission lines
Lingua di pubblicazione	Inglese
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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	Machine generated contents note: Preface Acknowledgments 1. Fundamentals of Planar Transmission Lines 1.1 Planar transmission lines, distributed circuits and artificial transmission lines 1.2 Distributed circuit analysis and main transmission line parameters 1.3 Loaded (terminated) transmission lines 1.4 Lossy transmission lines 1.5 Comparative analysis of planar transmission lines 1.6 Some illustrative applications of planar transmission lines References 2. Artificial Transmission Lines based on Periodic Structures 2.1 Introduction and scope 2.2 Floquet analysis of periodic structures 2.3 The transfer matrix method 2.4 Coupled mode theory 2.5 Applications References 3. Metamaterial Transmission Lines: Fundamentals, Theory, Circuit Models, and Main Implementations 3.1 Introduction, terminology, and scope 3.2 Effective medium metamaterials 3.3 Electrically small resonators for metamaterials and microwave circuit design 3.4 Canonical models of metamaterial transmission lines 3.5 Implementation of metamaterial transmission lines and lumped element equivalent circuit models References 4. Metamaterial Transmission Lines: RF/Microwave Applications 4.1 Introduction 4.2 Applications of CRLH transmission lines 4.3 Transmission lines with

metamaterial loading and applications References 5. Reconfigurable, Tunable and Nonlinear Artificial Transmission Lines 5.1 Introduction 5.2 Materials, components and technologies to implement tunable devices 5.3 Tunable and reconfigurable metamaterial transmission lines and applications 5.4 Nonlinear transmission lines (NLTs) References 6. Other Advanced Transmission Lines 6.1 Introduction 6.2 Magnetoinductive-wave (MIW) and electroinductive-wave (EIW) delay lines 6.3 Balanced transmission lines with common-mode suppression 6.4 Wideband artificial transmission lines 6.5 Substrate integrated waveguides (SIW) and their application to metamaterial transmission lines References Appendixes Appendix A. Equivalence between plane wave propagation in source-free, linear, isotropic and homogeneous media, TEM wave propagation in transmission lines and wave propagation in transmission lines described by its distributed circuit model Appendix B. The Smith Chart Appendix C. The scattering matrix Appendix D. Current density distribution in a conductor Appendix E. Derivation of the simplified coupled mode equations and coupling coefficient from the distributed circuit model of a transmission line Appendix F. Averaging the effective dielectric constant in EBG-based transmission lines Appendix G. Parameter extraction G.1 Parameter extraction in CSRR-loaded lines G.2 Parameter extraction in SRR-loaded lines G.3 Parameter extraction in OSRR-loaded lines G.4 Parameter extraction in OCSRR-loaded lines Appendix H. Synthesis of resonant type metamaterial transmission lines by means of Aggressive Space Mapping (ASM) H.1 General formulation of ASM H.2 Determination of the convergence region in the coarse model space H.3 Determination of the initial layout H.4 The core ASM algorithm H.5 Illustrative examples and convergence speed Appendix I. Conditions to obtain all-pass X-type and bridged-T networks Index .

Sommario/riassunto

"This book presents and discusses alternatives to ordinary transmission lines for the design and implementation of advanced RF/microwave components in planar technology"--

2. Record Nr.	UNINA9910597166203321
Autore	Barthélemy Pascale
Titolo	Alchimie et philosophie à la Renaissance / / Jean-Claude Margolin, Sylvain Matton
Pubbl/distr/stampa	Paris : , : Vrin , 2022
ISBN	2-345-00122-4
Descrizione fisica	1 online resource (478 pages)
Collana	De Pétrarque à Descartes.
Altri autori (Persone)	BeaulieuArmand BianchiLorenzo <1949-> BraunLucien CalvetAntoine DumontJean-Paul JacquartDanielle JolyBernard LernerMichel-Pierre LestringantFrank MandosioJean-Marc MargolinJean-Claude MarquetJean-François MattonSylvain MothuAlain NeumannUlrich NewmanWilliam ObristBarbara PerfettiAmalia PerifanoAlfredo PolizziGilles SecretFrançois SegondsAlain Philippe VasoliCesare <1924-> VédrineHélène
Soggetti	Philosophy Medieval & Renaissance Studies Renaissance philosophie alchimie

Lingua di pubblicazione	Francese
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Sommario/riassunto	Si les alchimistes se désignaient eux-mêmes sous le nom de « philosophes », cette qualité leur fut déniée dès le Moyen-Âge par bien des représentants plus officiels de la « philosophie ». Aujourd'hui, l'importance des doctrines alchimiques dans l'histoire des idées n'est plus guère contestée. Pourtant, les rapports entre la « philosophie hermétique » ou « chymique » et la philosophie au sens habituel restent mal étudiés. C'est afin d'apporter des éléments de réponse à cette question que s'est tenu le colloque dont ce volume constitue les Actes. L'originalité des contributions est de présenter l'alchimie de la Renaissance (xve-xvii^e siècles) non comme un tout cohérent, donné une fois pour toutes dans la dimension anhistorique d'une « secrète science », mais comme un corpus théorique traversé par une multiplicité de tendances. Cette multiplicité est ici illustrée par l'analyse d'œuvres ou de courants particuliers ayant contribué au développement des doctrines alchimiques, comme la Summa perfectionis de Geber, les traités attribués à Arnaud de Villeneuve, les œuvres de Guillaume Sedacer, Paracelse, Gérard Dorn, Evangelista Quattrami, Jacques Gohory, Michel Maier, Pierre-Jean Fabre, etc. Elle l'est aussi à travers l'étude de la représentation de l'alchimie et de son influence chez des philosophes ou savants eux-mêmes non alchimistes, tels Michel Savonarole, Marsile Ficin, André Thevet, Tycho Brahé, Giordano Bruno, Campanella, Naudé, ou Mersenne.

3. Record Nr.	UNINA9910814250403321
Titolo	Advanced manufacturing technology and systems : selected, peer reviewed papers from the 2012 International Conference on Advanced Manufacturing Technology and Systems (AMTS 2012), April 17, 2012, Wuhan, China / / edited by Jing Wu and Hao Xie
Pubbl/distr/stampa	Durnten-Zurich, Switzerland ; ; Enfield, NH : , : Trans Tech Publications, , [2012] ©2012
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Collana	Applied mechanics and materials, , 1662-7490 ; ; volume 159
Altri autori (Persone)	WuJing XieHao
Disciplina	620.1
Soggetti	Computer integrated manufacturing systems Manufacturing processes
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Livello bibliografico	Monografia
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Advanced Manufacturing Technology and Systems; Preface and Organizing Committee; Table of Contents; 3D Model Reconstruction of the Broken Aeroengine Blade Based on the Detection Operator; A Carbazole-Based Conjugated Polymer Bearing Ruthenium Complexes, Synthesis and Preliminary Photovoltaic Study; A Framework of Digital Factory System Using Multi-Resolution Simulation; A Novel Structure Design Method Based on Knowledge Template; A Review on Fuzzy Control Charts for Monitoring Attribute Data A Study on Corrosion Resistance and Weatherability of Fluorocarbon Anti-Corrosion Coatings for External Surface of Ocean Platform A Study on the Mechanical Properties of Polymer-Ceramic Composite Using Injection Moulding; An Enhanced Resolution Three-Dimensional Transformation Method Based on Discrete Wavelet Transform; An Entropy Based Analytical Model for Thermoelastic Damping in Micromechanical Resonators; An Improved Ant Colony Optimization for Large-Scale Simple Assembly Line Balancing Problem of Type-1 An Investigation into Machining Characteristics of Commercially Pure Titanium (Grade-2) Using CNC WEDM Antistatic TPU/PA6 Blends

Prepared by Blending Modification; Based on Solid Works COSMOS 2.5
Tons, 4ms-1 High Speed the Elevator Drive's Finite Element Analysis;
Changing Direction Parallel Scan Path Generating Method through
Matching Scan Space for Metal Laser Deposition Shaping; CuO
Microspheres Synthesized via the Easy Hydrothermal Method;
Customers Involved Digital NPD Method Based on Integrated CAX
Technology

Discussion on the Relation between the Adhesive Force of Drosophila
Melanogaster and the Surface Roughness of the Substrate Effect of
Insert Style in Milling of Titanium Alloy (TC18); Establishing Geometry
and Functional Parameters Relationships through Regression Analysis
and their Assistance to Product Customization; Evaluation on the
Photoabsorber Composition Effect in Projection Microstereolithography;
Experimental and Numerical Modeling for Powder Rolling; Experimental
Investigation of Influencing Factors of Surface Roughness Engraved by
CNC Engraving Machine

Experimental Study of Micro Electrochemical Milling with Side-Insulated
Electrode Implementation of Multi-Core Parallel Computation for Real-
Time Turning of PID Parameters Based on Genetic Algorithm;

Improvement in the Transport of Charge Carriers in Tunnel Junctions of
Silicon-Based Thin Film Tandem Solar Cells; Influences of Fiber Content
on Mechanical Properties of Geopolymer Reinforced by Polyester Fibers;
Investigation on Paste Extrudate Features in Ram Extrusion Process;
Maximum Reduction in Thickness in a Single Sheet Forming Pass Based
on Unified Strength Theory

Modal Analysis for a New Double-Side Blade Grinding Machine

Sommario/riassunto

These are the proceedings of the International Conference on Advanced
Manufacturing Technology and Systems (AMTS 2012), held on the 17th
April 2012 in Wuhan, China. They cover the most recent developments
in advanced manufacturing technology and systems. Researchers and
practitioners share ideas and experiences regarding advanced
manufacturing technology and systems. The 77 technical papers were
selected by peer-review from over three times that many submissions.
Their topics include an enhanced-resolution three-dimensional
transformation method based the on discrete wavelet transform, an
expe
