

ALEJANDRO GUERAS JIMÉNEZ

2-D

Electromagnetic Simulation of Passive Microstrip Circuits



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Real Time A 2 Dimensional Electromagne

Chao Zhang



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Yang, Jian Li, 2024-12-09 This book contains the original and refereed research papers presented at the 11th Frontier Academic Forum of Electrical Engineering FAFEE 2024 held in Chongqing China Topics covered include Power System and New Energy Motors and Systems Power Electronics and Electrical Drives High Voltage and Discharge Electrical Energy Storage and Application New Electrical Materials Advanced Electromagnetic Technology The papers share the latest findings in the field of electrical engineering making the book a valuable asset for researchers engineers and university students etc

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a world renowned researcher and teacher with over 40 years of experience in the field this is a highly practical and authoritative guide Electromagnetic Transient Analysis and Novel Protective Relaying Techniques for Power Transformers Xiangning Lin,Jing Ma,Qing Tian,Hanli Weng,2015-03-02 An advanced level examination of the latest developments in power transformer protection This book addresses the technical challenges of transformer malfunction analysis as well as protection One of the current research directions is the malfunction mechanism analysis due to nonlinearity of transformer core and comprehensive countermeasures on improving the performance of transformer differential protection Here the authors summarize their research outcomes and present a set of recent research advances in the electromagnetic transient analysis the application on power transformer protections and present a more systematic investigation and review in this field This research area is still progressing especially with the fast development of Smart Grid This book is an important addition to the literature and will enhance significant advancement in research It is a good reference book for researchers in power transformer protection research and a good text book for graduate and undergraduate students in electrical engineering Chapter headings include Transformer differential protection principle and existing problem analysis Malfunction mechanism analysis due to nonlinearity of transformer core Novel analysis tools on operating characteristics of Transformer differential protection Novel magnetizing inrush identification schemes Comprehensive countermeasures on improving the performance of transformer differential protection An advanced level examination of the latest developments in power transformer protection Presents a new and systematic view of power transformer protection enabling readers to design new models and consider fresher design approaches Offers a set of approaches to optimize the power system from a microeconomic point of view **Scientific and Technical Aerospace Reports** ,1995

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