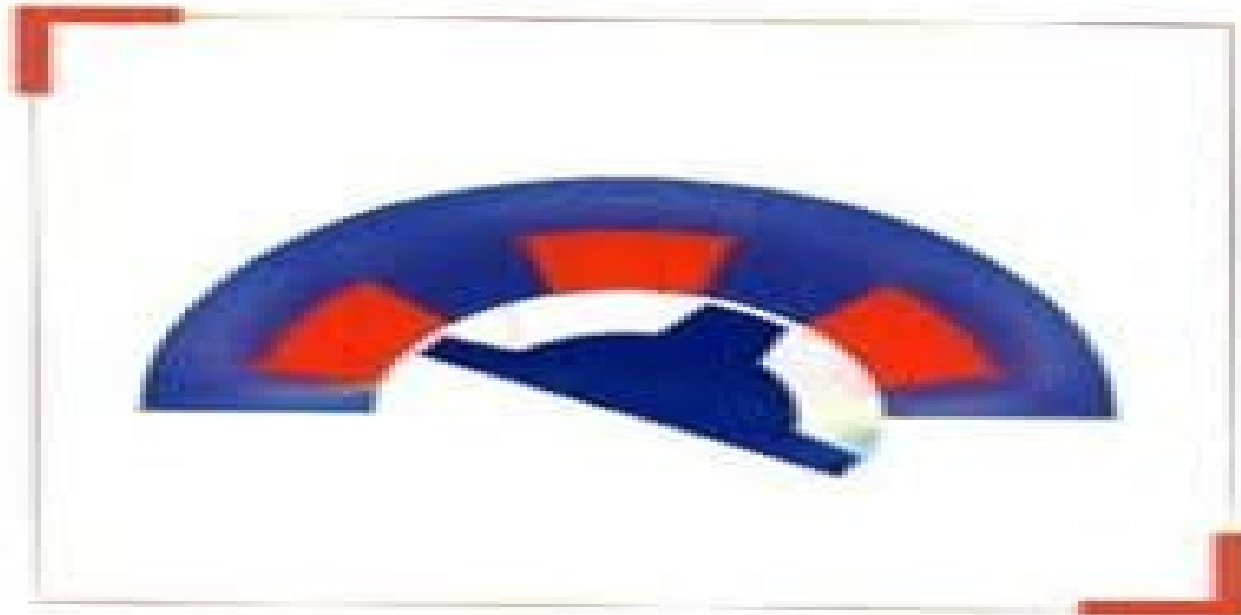


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Gullu Kiziltas



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eddy currents and the treatment of geometric symmetries when the sources are not symmetric Coupled problems are then outlined before the book concludes with coverage of different meshing methods in the context of electromagnetism and optimization techniques

Multiobjective Shape Design in Electricity and Magnetism Paolo Di Barba, 2009-12-03 Multiobjective Shape Design in Electricity and Magnetism is entirely focused on electric and magnetic field synthesis with special emphasis on the optimal shape design of devices when conflicting objectives are to be fulfilled Direct problems are solved by means of finite element analysis while evolutionary computing is used to solve multiobjective inverse problems This approach which is original is coherently developed throughout the whole manuscript The use of game theory dynamic optimisation and Bayesian imaging strengthens the originality of the book Covering the development of multiobjective optimisation in the past ten years Multiobjective Shape Design in Electricity and Magnetism is a concise comprehensive and up to date introduction to this research field which is growing in the community of electricity and magnetism Theoretical issues are illustrated by practical examples In particular a test problem is solved by different methods so that by comparison of results advantages and limitations of the various methods are made clear

Computational Magnetics J. Sykulski, 2012-12-06 This book fills the gap between theory available computational techniques and engineering practice in the design of electrical and electromechanical machines The theory underlying all currently recommended computational and experimental methods is covered comprehensively including field analysis and synthesis magnetic fields coupled to stress and thermal fields The book is very practically oriented and includes many examples of actual solutions to real devices

Electrical & Electronics Abstracts, 1997 Structural Optimization in Magnetic Fields Using the Homogenization Design Method Jeonghoon Yoo, 1999 Linear Drives for Industry Applications IX Yun Yue Ye, Zi Qiang Zhu, Shao Bo Zhong, 2013-09-10 Selected peer reviewed papers from the 9th International Symposium on Linear Drives for Industry Applications LDIA 2013 July 7 10 2013 Hangzhou China

3-D Electromagnetic Field Analysis Takayoshi Nakata, 1990 This book published as a supplement to the journal COMPEL contains the proceedings of the International Symposium and TEAM Workshop 3DMAG held in Okayama from 11 13 September 1989 It will provide a reference source for all those in the field by presenting an up to date and comprehensive view of current work in this area

Dielectric Material Optimization of Filters and Antennas Using SIMP. Gullu Kiziltas, 2003 **IEEE International Electric Machines and Drives Conference Record**, 1997 *Southeastcon '94*, 1994 Creative technology transfer - a global affair Institute of Electrical and Electronics Engineers, 1994

Particle Swarm Optimisation Jun Sun, 2016-04-19 Although the particle swarm optimisation PSO algorithm requires relatively few parameters and is computationally simple and easy to implement it is not a globally convergent algorithm In Particle Swarm Optimisation Classical and Quantum Perspectives the authors introduce their concept of quantum behaved particles inspired by quantum mechanics which leads to the quantum behaved particle swarm optimisation QPSO algorithm This globally convergent algorithm has fewer parameters a faster convergence

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Staff,1993-03 *Southeastcon '95* IEEE Region 7,1995-03 **Electrical Technology** ,1995 Conference Proceedings
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