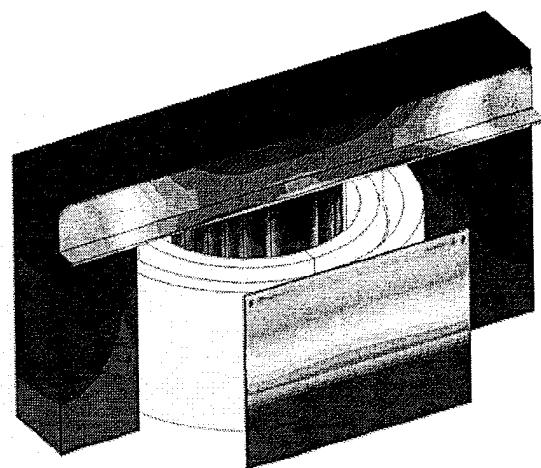
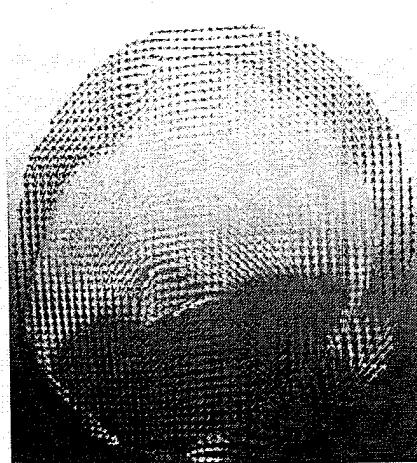


97, 98 - CP

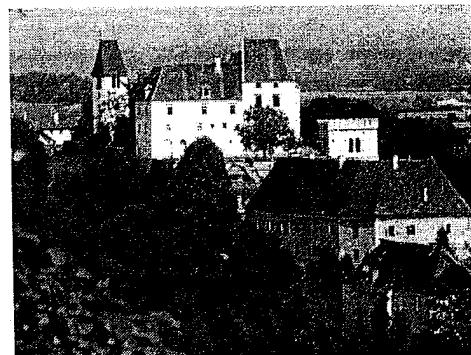
The 11th International IGTE Symposium on Numerical Field Calculation in Electrical Engineering



G

Seggau Castle, Sept. 13-15, 2004
Seggauberg near Graz, Austria

T



Department for Fundamentals
and Theory in Electrical
Engineering - IGTE

E

Graz University
of Technology

PROCEEDINGS



VA TECH
ELIN Transformatoren

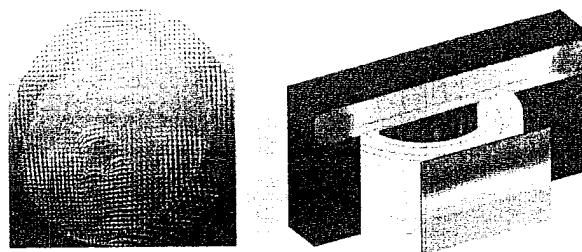


Das Land
Steiermark



The 11th International
IGTE Symposium
on Numerical
Field Calculation in
Electrical Engineering

Seggau Castle, Sept. 13-15, 2004



I
G
T
E

PROCEEDINGS

TUG

The 11th International

IGTE Symposium

on Numerical
Field Calculation in
Electrical Engineering

ISBN-Nr.: 3-9002465-07-7

Graz 2004

P3_14388	Efficient Drive System with Synchronous Reluctance Motor H. Silaghi, M. Silaghi, V. Spoiala, A. Nagy	356
P3_14502	Optimization of High Frequency Power Splitters I. Sebestyen, J. Pavo, B. Ladányi-Thuróczy	360
P3_17538	Modelling and control a lifting and transporting equipment V. Spoiala, H. Silaghi, D. Spoiala, N. Maghiar, M. Arion	365
P3_23024	Magnetic Lenses for Neutron Beams J. Füzi	371
P3_24217	Simulation of a Nondestructive Testing Measurement System M. Kuczmann, A. Ivány	376
P3_25177	Modelling and optimisation of a voltage detector's electrodes P. Kitak, J. Pihler, I. Ticar, O. Bíró, K. Preis, C. Magele	382
P3_29448	Reduced State Space Model of Interleaved Helical Transformer Winding P. Bodlovic, K. Hot, T. Kelemen	386
P3_48160	Choice of Parameters of the Excitation System in Eddy Current Testing of Tubes K. Stawicki, S. Gratkowski	392
P3_51141	Numerical Models of Electromagnetic and Thermal Problems in Radiofrequency Ablation Therapy M. Bullo, V. D'Ambrosio, F. Dughiero	397
P3_56256	The numerical modelling of the inductive heating process of a cylindrical bimetallic billets T. Maghiar, D. Hoble, C. Stasac, C. Molnar	403
P3_62679	Analysis of the Influence of Guarding Electrodes in ECT systems by Means of 3D Finite Element Modeling G. Holler, A. Fuchs	407
P3_69985	The Influence of Fluid Movement Inside the Motor Protection Switch Housing on the Temperature Field Distribution G. Hrovat, A. Hamler	411
P3_71148	The study of thermal field and mass problems at the drying of wood in microwave field L. Bandici, C. Molnar	415
P3_73806	Current and Torque Waveform Analysis of a Brushless PM Motor A. Sternecki, I. Ticar, O. Bíró, K. Preis	418
P3_80829	Identification of a Synchronous Generator Parameters Via Finite Element Analysis Z. Kolondzovski, L. Petkovska	422
P3_83408	The study of the electromagnetic field coupled within the thermal field in the drying processes in a microwave field T. Leuca, L. Bandici, N. Maghiar, C. Molnar	428
P3_94556	The determination of SAR caused by mobile phones in the human head L. Fejérvari Führer, T. Barbarics	431
P3_96228	SAR Distribution in Human Organs A. Miaskowski, B. Sawicki, A. Krawczyk	437
P3_62907	Hybrid formulation for nonlinear magneto-statics A. Canova, C. Giuffrida, G. Gruosso, M. Repetto, B. Vusini	441
P3_67418	A New Procedure for Reconstruct the Aged Regions of the Ferromagnetic Bodies F. Hantila, C. Mihai, C. Ifrim, T. Leuca	446
P3_38712	3-D Magnetostatic Non-Linear Problem P. Kis, A. Iványi	450
P3_41409	Time Stepping FE-Analysis of a Slip Ring Induction Machine by Taking Rotor Circuit Equations and Rotor Movement into Account G. Ofner, K. Preis, O. Bíró, H. Köfler	455
P3_99667	Micromagnetic computations in thin films C. Giuffrida, C. Ragusa, M. Repetto	458