

# SUMMARY

Editorial - <i>R. Munteanu</i> .....	3
Some New Relationships and a Scaling Law Regarding Partial Discharges in Spherical Cavities Enclosed in Solid Insulation - <i>M.G. Danikas</i> .....	5
<a href="#">Modelling Of Buck Converter</a> - <i>I. Matlac and L. Iulian</i> .....	10
Mathematical Modelling, Simulation and Optimization of an Asynchronous Exciter For Inverter-Fed Synchronous Machines - <i>H. Biechl, H.W. Lorenzen and D. Potoradi</i> .....	13
Analoge Verstärker Im Hörgeräte - <i>Adriana Chilian-Mezey and R. Ciupa</i> .....	26
Hörgeräte Mit Digital Programmierbare Verstärker - <i>Adriana Chilian-Mezey and R. Ciupa</i> .....	32
Optimal Reactive Elements Design for Quasi Direct AC/AC Converter - <i>R. Uhrin and F. Profumo</i> .....	38
<a href="#">AD2S100 Single-Chip Processor Simplifies the Vector Control Strategy on Induction Motors</a> - <i>A. Graur and C. Filote</i> .....	44
On the Numerical Modelling and Simulation of the Control System for a Medium Frequency Static Converter - <i>M. Chindriș, T. Coloși and H. Pop</i> .....	51
<a href="#">A computational approach concerning the flux density of electromagnetic measurement systems</a> - <i>R. Munteanu, N.D. Dragomir and I. Târnovan</i> .....	59