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| Collana | COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, , 0332-1649 ; ; Volume 34 Number 2 |
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| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Cover; Editorial advisory board; A new analytical approach to determine slotting based eddy current losses in permanent magnets of PMSM taking into account axial and circumferential segmentation; Inductance calculation ofhigh-speed slotless permanent magnet machines; Magnetic-geared motors with high transmission torque density; Simplified human phantoms for narrowband and ultra-wideband body area network modelling; Optimization of the synchronous motor with hybrid permanent magnet excitation system; Analysis of the stator topology impact on cogging torque for surface permanent magnet motor<br>Combined FE and Particle Swarm algorithm for optimization of high speed PM synchronous machineElectromagnetic and thermal parameter identification method for best prediction of temperature distribution on transformer tank covers; Decomposition of the compromise objective function in the permanent magnet synchronous motor optimization; Shielding from external magnetic fields by rotating magnetic conducting cylindrical shells; Comparison of magnetic coupling structures for IPT systems; Influence of the closing rotorslots on the additional losses in the induction motor<br>Local overheating of transformers with high currentsDesign of |

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| | permanent magnet synchronous motors including thermal aspects; Thermal analysis and efficiency of an induction motor driven by a fault-tolerant multilevel inverter using FEM; Electromagnetic fields in body bywireless inductive system; Analysis of FE |
| Sommario/riassunto | The International Symposium on Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering (ISEF 2013) was held from 12-14 September 2013, in Ohrid, Republic of Macedonia.Now in its 16th edition, the conference topics covered a wide spectrum of electromagnetic field problems and provided a unique opportunity, for scientists, researchers and engineers from all around the world, to discuss the state-of-the-art and new developments in computation, modelling, simulation, measurements and application of electromagnetic fields. A particular emphasis was on the problems related to B |