Electrical Engineering

2

96

Archiv für Elektrotechnik



Volume 96 · Number 3 · September 2014

ORIGINAL PAPERS

Analysis of the response to a lightning strike of a towers cascade equipped with its grounding systems

L. Boufenneche · B. Nekhoul ·

K. Kerroum 211

Sensorless vector control of PMSM with non-sinusoidal flux using observer based on FEM

E. Oksuztepe · Z. Omac · H. Kurum 227

Modeling and analysis of power quality problems caused by coreless induction melting furnace connected to distribution network

A. Tan · K.Ç. Bayindir 239

Analysis of influence of imperfect contact between grounding electrodes and surrounding soil on electrical properties of grounding loops J. Trifunovic · M. Kostic 255

A revisit to the fractional-order hold device M.B. Naumović 267

Electrical Engineering

96

3

Archiv für Elektrotechnik



Volume 96 · Number 3 · September 2014

A hybrid method combining JFPSO and probabilistic three-phase load flow for improving unbalanced voltages in distribution systems with photovoltaic generators

F.J. Ruiz-Rodriguez · F. Jurado · M. Gomez-Gonzalez 27

Current density in two solid parallel conductors and their impedance

O. Coufal 287

Further articles can be found at link.springer.com

Abstracted/Indexed in Science Citation Index, Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, INSPEC, Google Scholar, EBSCO, Academic OneFile, Academic Search, CSA Environmental Sciences, Current Contents Collections/Electronics & Telecommunications Collection, Current Contents/Engineering, Computing and Technology, EI-Compendex, Gale, Highbeam, OCLC, Referativnyi Zhurnal, SCImago, Summon by Serial Solutions

Instructions for Authors for *Electr Eng* are available at www.springer.com/00202