
Session Title	[PA-M1] Static and Quasi-Static Fields 1
Date and Time	June 19 (Monday) / 11:00-12:50
Place	Rm. 101 (1F)
Session Chair	Ziyan Ren (Chungbuk Nat'l Univ., Korea)

PA-M1-1

Digest ID: 1

Calculation of the DC Ionized Field with the Presence of Dielectric Film by FEM and Divergence Theorem

Zou, Zhilong; Cui, Xiang; Lu, Tiebing
North China Electric Power University, China, People's Republic of

PA-M1-2

Digest ID: 52

Cauer Ladder Network Representation of Eddy-Current Fields for Model Order Reduction Using Finite Element Method

Kameari, Akihisa (1); Ebrahimi, Hassan (1); Sugahara, Kengo (2); Shindo, Yuji (3); Matsuo, Tetsuji (4)
1: Science Solutions International Laboratory, Inc.; 2: Faculty of Science and Engineering, Kindai University; 3: Kawasaki Heavy Industries, Ltd.; 4: Dept. Electrical Engineering, Kyoto University

PA-M1-3

Digest ID: 56

An efficient algorithm for accurate reduced models with the proper generalized decomposition for magneto quasistatic problems

Kruettgen, Christian; Hameyer, Kay
RWTH Aachen University, Institute of Electrical Machines, Aachen, Germany

PA-M1-4

Digest ID: 59

Proposals for Inclusion of the Electrode Radius in Grounding Systems Analysis Using Interpolating Element-Free Galerkin Method

RESENDE, URSULA DO CARMO; ALÍPIO, RAFAEL SILVA; OLIVEIRA, MAISA LAILA DE FÁTIMA
CEFET-MG, Brazil

PA-M1-5

Withdrawn

PA-M1-6

Digest ID: 242

Analysis of Eddy Currents in Litz Wire Using Homogenization-based FEM

Hiruma, Shingo; Igarashi, Hajime
Hokkaido university, Japan

PA-M1-7

Digest ID: 98

Large Scale Simulation of Magnetization Process of HTS Undulator for X-ray FEL Based on T-method

Yi, Deri; Kawaguchi, Hideki
Muroran Institute of Technology, Japan

PA-M1-8

Digest ID: 197

A Study on Comparison of Quasi 3D Modeling and 3D FEA of AFPMG for Large Scale Offshore Wind Turbine

Kim, Sung-An; Song, Ji-Hyo; Cho, Yun-Hyun
Dong A University, Korea, Republic of (South Korea)

PA-M1-9

Digest ID: 128

Lean cohomology computation for electromagnetic modeling

Dlotko, Pawel (1); Kapidani, Bernard (2); Specogna, Ruben (2)
1: DataShape, Inria, France; 2: DPIA, University of Udine, Italy

PA-M1-10

Digest ID: 293

Coupling volume and surface integral formulations for eddy current problems on general meshes

Bettini, Paolo (1); Specogna, Ruben (2); Passarotto, Mauro (2)
1: Department of Industrial Engineering (DII), University of Padova, Italy; 2: Polytechnic Department of Engineering and Architecture (DPIA), University of Udine, Italy

PA-M1-11

Digest ID: 158

A Fast Procedure to Assemble Interaction Matrices in Equivalent Magnetic Charges Methods

Chiariello, Andrea Gaetano; Formisano, Alessandro; Ledda, Francesco; Martone, Raffaele; Pizzo, Francesco
Università degli Studi della Campania "Luigi Vanvitelli"

PA-M1-12

Digest ID: 173

Solutions for the Ill-posed Problem of Inverse Calculating Three-phase Voltages of Overhead Transmission Lines by Using Power-frequency Electric Field Data

Xiao, Dongping; Xie, Yutong; Ma, Qichao; Liu, Huaitong; Zheng, Qi; Zhang, Zhanlong
Chongqing University, China, People's Republic of

PA-M1-13

Digest ID: 178

Presentation and 2-Dimensional Equivalent Magnetic Field Analysis of a Novel 2-DOF Spherical Hybrid Stepping Motor

Lu, Binglin; Xu, Yanliang
Shandong University, China, People's Republic of

PA-M1-14

Digest ID: 281

An Efficient Decomposed Method in Harmonic Domain For Solving Nonlinear Time-Periodic Magnetic Problems

Zhao, Xiaojun (1); Wang, Gang (1); Jin, Zhiming (1); Zhang, Honggang (1); Cheng, Zhiguang (2); Lu, Junwei (3)
1: North China Electric Power University, China, People's Republic of; 2: Institute of Power Transmission and Transformation Technology, China, People's Republic of; 3: Griffith University, Australia