

CES Transactions on Electrical Machines and Systems

December 2021 Volume 5 Number 4 (ISSN 2096-3564)

Content

271 Message from Editors

Special Section on High Efficient, Energy-saving and Intelligent Motor Systems

273 Square-Wave Drive for Synchronous Reluctance Machine and its Torque Ripple Analysis
..... *J. X. Shen, S. Cai, D. M. Miao, D. Shi, J. Gieras, Y. C. Wang*

284 Permanent Magnet Shape Optimization Method for PMSM Air Gap Flux Density Harmonics Reduction
..... *C. S. Liu, Y. X. Xu, J. B. Zou, G. D. Yu, L. Zhuo*

291 Reduction of Cogging Torque and Electromagnetic Vibration Based on Different Combination of Pole Arc Coefficient for Interior Permanent Magnet Synchronous Machine
..... *F. Liu, X. H. Wang, Z. Z. Xing, A. G. Yu, C. B. Li*

301 Derivation of Optimal Rotor Topologies for Consequent-Pole PMSM by ON/OFF Method
..... *Z. Sun, K. Watanebe, X. Z. Xu*

Regular Paper

311 Performance Analysis and Comparison of Two Fault-Tolerant Model Predictive Control Methods for Five-Phase PMSM Drives..... *W. T. Huang, W. Hua, Q. G. Fan*

321 Design of an Asymmetric Rotor Pole for Wound Field Synchronous Machines *W. P. Chai, B. I. Kwon*