

Authors: YAGUP V.G., YAGUP K.V.

Source: Tekhnichna Elektrodynamika 5: 21–26, 2019 **DOI:** https://doi.org/10.15407/techne_d2019.05.021

Subject Categories: Conversion of electric energy parameters

Title: [Synchronous balanced regulation of multiphase system based on modulated diode-clamped inverters](#)

Authors: OLESCHUK V., ERMURATSKII V.

Source: Tekhnichna Elektrodynamika 5: 27–35, 2019 **DOI:** https://doi.org/10.15407/techne_d2019.05.027

Title: [Suppression of current harmonics feeding powerful single-phase loads](#)

Authors: VOLKOV I.V., STYAZHKIN V.P., PODEIKO P.P.

Source: Tekhnichna Elektrodynamika 5: 36–42, 2019 **DOI:** https://doi.org/10.15407/techne_d2019.05.036

Title: [Determination of the coefficient of the transformation of a current parameter bridge of a single-phase rectifier with parallel active-capacitive load](#)

Authors: SPIRIN V.M., HUBAREVICH V.M., MARUNYA Yu.V., SALKO S.V., GREBENYUK V.G.

Source: Tekhnichna Elektrodynamika 5: 43–48, 2019 **DOI:** https://doi.org/10.15407/techne_d2019.05.043

Subject Categories: Electromechanical energy conversion

Title: [The parametrization method of generalized induction motor using the field analysis for design](#)

Author: GOLOVAN I.V.

Source: Tekhnichna Elektrodynamika 5: 49–53, 2019 **DOI:** https://doi.org/10.15407/techne_d2019.05.049

Title: [Method for calculation of no-load back EMF of high voltage line-start permanent magnet synchronous motor](#)

Authors: HONGBO QIU, YONG ZHANG, CUNXIANG YANG, RAN YI.

Source: Tekhnichna Elektrodynamika 5: 54–59, 2019 **DOI:** <https://doi.org/10.15407/techne.d2019.05.054>

Subject Categories: Electric power systems and installations

Title: [Simulation model of day ahead market with implicit consideration of power systems network constraints](#)

Authors: KYRYLENKO O.V., BLINOV I.V., PARUS Ye.V., IVANOV H.A.

Source: Tekhnichna Elektrodynamika 5: 60–67, 2019 **DOI:** <https://doi.org/10.15407/techne.d2019.05.060>

Title: [An optimization approach based on improved artificial bee colony algorithm for location and capacity of grid-connected photovoltaic systems](#)

Authors: WANG HUI, PIAO ZAI-LIN, MENG XIAO-FANG, GUO DAN, WANG JUN.

Source: Tekhnichna Elektrodynamika 5: 68–76, 2019 **DOI:** <https://doi.org/10.15407/techne.d2019.05.068>

Subject Categories: Electrotechnological complexes and systems

Title: [Improving the efficiency of high-voltage electric discharge installations which use exothermal dispersed media](#)

Authors: VOVCHENKO O.I., DEMYDENKO L. Yu., BLASHCHENKO O.D., STARKOV I.M.

Source: Tekhnichna Elektrodynamika 5: 77–82, 2019 **DOI:** <https://doi.org/10.15407/techne.d2019.05.077>

Subject Categories: Information-measuring systems in power engineering

Title: [Complex for electric power equipments magnetic fields monitoring](#)

Author: MAZMANIAN R.O.

Source: Tekhnichna Elektrodynamika 5: 83–92, 2019 **DOI:** <https://doi.org/10.15407/tehned2019.05.083>

Institute of Electrodynamics, 2019