

Subject Categories: Conversion of electric energy parameters

Title: [Quality characteristics of single-phase bridge rectifier with active load and capacitary filter for power from the current source](#)

Authors: SPIRIN V.M., HUBAREVICH V.M., MARUNIA Yu.V., SALKO S.V.

Source: Tekhnichna Elektrodynamika 2: 23–27, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.023>

Subject Categories: Electromechanical energy conversion

Title: [Electric machine with axial magnetic flux, permanent magnets and multilayered printing windings](#)

Authors: GREBENIKOV V.V., GAMALEYA R.V., SOKOLOVSKY A.N.

Source: Tekhnichna Elektrodynamika 2: 28–35, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.028>

Title: [Asynchronous motor drive interharmonics calculation based on generalized Fourier series of several variables](#)

Authors: VERBYTSKYI I.V., ZHUIKOV V.J.

Source: Tekhnichna Elektrodynamika 2: 36–42, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.036>

Title: [Development of a mathematical model for computation of permissible operating parameters of the sucker-rod pump variable-frequency drive](#)

Authors: MALYAR A.V., ANDREISHYN A.S.

Source: Tekhnichna Elektrodynamika 2: 43–49, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.043>

Title: [Modeling of coupled electromechanical and thermal processes in a linear permanent magnet motor based on the multiphysics circuit theory](#)

Authors: PODOLTSEV A.D., BONDAR R.P.

Source: Tekhnichna Elektrodynamika 2: 50–55, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.050>

Title: [Univariable short-term forecast of nodal electrical loads of energy systems](#)
Authors: CHERNENKO P.O., MIROSHNYK V.O., SHYMANIUK P.V.
Source: Tekhnichna Elektrodynamika 2: 67–73, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.067>

Subject Categories: Electrotechnological complexes and systems

Title: [Electromagnetic stirring of metals in spatially orthogonal magnetic fields](#)
Authors: RASHCHEPKIN A.P., KONDRATENKO I.P., KARLOV O.M., KRYSHCHUK R.S., ZHILTSOV A.V., VASYUK V.V.
Source: Tekhnichna Elektrodynamika 2: 86–92, 2020 **DOI:** <https://doi.org/10.15407/techne.d2020.02.086>

Institute of Electrodynamics, 2020



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