



**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:** [Influence of pulsations of the flexible DC motor on the management process of starting the gas turbine motor helicopter](#)

**Authors:** BASHINSKYI V., SHAPOVALOV O., DENISOV A., BURSALA O., BURSALA A.

**Source:** Tekhnichna Elektrodynamika 2: 56–66, 2020 **DOI:** [https://doi.org/10.15407/techne\\_d2020.02.056](https://doi.org/10.15407/techne_d2020.02.056)

**Subject Categories:** Electric power systems and installations

**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](https://doi.org/10.15407/techne_d2020.02.067)

**Title:** [Simulation of the parallel operation of external and railway AC traction power supply system taking into account unbalanced conditions](#)

**Authors:** ZEMSKIY D.R., SYCHENKO V.G., BOSYI D.O.

**Source:** Tekhnichna Elektrodynamika 2: 74–85, 2020 **DOI:** [https://doi.org/10.15407/techne\\_d2020.02.074](https://doi.org/10.15407/techne_d2020.02.074)

**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](https://doi.org/10.15407/techne_d2020.02.086)

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