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Authors: SHIDLOVSKY A.K., SCHERBA A.A., PERETJATKO Yu.V., ZOLOTARJEV V.M.

Source: Tekhnichna Elektrodynamika 4: 3-14, 2008

Title: Analysis of processes in a protective circuit from leakage currents considering nonlinearity of a flux linkage

Authors: SHYDLOVSKA N.A., VARENIK E.A., DZJUBAN V.S., SHKRABETS F.P.

Source: Tekhnichna Elektrodynamika 4: 14–18, 2008

Title: Simulation of a variable electromagnetic field in a ferromagnetic conducting environment

by the finite elements method **Authors:** PETUKHOV I.S.

Source: Tekhnichna Elektrodynamika 4: 18–26, 2008

Title: Power characteristics at initial conditions change of an oscillating charge of a capacitor

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Authors: SUPRUNOVSKAYA N.I.

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Title: Relatively-continuous gain-frequency characteristic of an inverter voltage in the problem

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Authors: VOLKOV I.V., PODOL'NY S.V.

Source: Tekhnichna Elektrodynamika 4: 34–38, 2008

Title: Special features of computation of single sectionalized autotransformers with different

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Authors: LYPKIVSKY K.O.

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Authors: SHYDLOVSKY A.K., PAVLOV V.B., POPOV A.V. **Source:** Tekhnichna Elektrodynamika 4: 43–47, 2008

Title: Simulation of multipole magnetic systems of magnetoelectric engines taking into account

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Authors: ANTONOV A.E., KIREJEV V.G.

Source: Tekhnichna Elektrodynamika 4: 47–50, 2008

Title: Increase of power efficiency of powerful turbo-generators with hydrogen cooling systems **Authors:** SOLOVEY V.V., FEDORENKO G.M., ZEVIN L.I., KENSYTSKY O.G., OSTAPCHUK

L.B., DUBIK G.O.

Source: Tekhnichna Elektrodynamika 4: 51–56, 2008

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Authors: MARCHENKO N.B., MYSLOVICH M.V. **Source:** Tekhnichna Elektrodynamika 4: 57–61, 2008

Title: Factor analysis of efficiency of electric energy consumption of coal mines

Authors: ROSEN V.P., VOLYNETS V.I.

Source: Tekhnichna Elektrodynamika 4: 61-64, 2008

Title: Investigation of frequency characteristics of a high-voltage potential divider at different

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Authors: RJABENKY V.M., DJAKONOV A.S.

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Title: Electromagnetic field and parameters of a device of continuous fining of liquid metal

Authors: ГОРИСЛАВЕЦ Ю.М.

Source: Tekhnichna Elektrodynamika 4: 69–74, 2008

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Title: A method of-non-linearity determination of precision thermometric measuring devices

Authors: MIKHAL A.A., SEMENYCHEVA L.N., SURDU M.N.

Source: Tekhnichna Elektrodynamika 4: 75–79, 2008

Abstracts