

Comprehensive comparative analysis of impedance-source networks for DC and AC application

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Design and comparison of three-level three-phase T-source inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 564-569 : ill

<http://dx.doi.org/10.1109/PowerEng.2015.7266378>

Design of three-phase three-level CIC T-source inverter with maximum boost control

Shults, Tatiana; Husev, Oleksandr; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 004447-004452 : ill

<http://dx.doi.org/10.1109/IECON.2015.7392792>

LCCT-derived three-level three-phase inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede; Zakis, Janis; Khandakji, Kamal IET power electronics 2017 / p. 996-1002

<https://doi.org/10.1049/iet-pel.2016.0023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Novel space vector pulse width modulation strategies for single-phase three-level NPC impedance-source inverters

Shults, Tatiana; Husev, Oleksandr; Blaabjerg, Frede; Roncero, Carlos; Romero-Cadaval, Enrique; Vinnikov, Dmitri IEEE

transactions on power electronics 2019 / p. 4820-4830: ill <https://doi.org/10.1109/TPEL.2018.2859194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Overview of impedance source networks for voltage source inverters

Shults, Tatiana; Husev, Oleksandr; Zakis, Janis 2015 16th International Conference of Young Specialists on

Micro/Nanotechnologies and Electron Devices (EDM 2015) : Erlagol (Altai Republic), Russia, 29 June-3 July 2015 2015 / p. 514-520 : ill

Power supply system based on photovoltaic panels and three-level NPC inverter

Shults, Tatiana Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 154-157 : ill

SVPWM capacitor balancing method for single-phase three-level NPC impedance-source inverters

Shults, Tatiana; Filatova, Alena; Dybko, Maxim; Husev, Oleksandr 2018 19th International Conference of Young Specialists on

Micro/Nanotechnologies and Electron Devices (EDM 2018) : Erlagol (Altai Republic), Russia, 29 June - 3 July 2018 2018 / p. 580-584 : ill <http://dx.doi.org/10.1109/EDM.2018.8434962>

SVPWM strategy for single-phase three-level impedance source inverter

Shults, Tatiana; Sidorov, Andrey; Husev, Oleksandr 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 144-147 : ill

http://www.ester.ee/record=b4650094*est