

A comparison of a discrete-time PI and an indirect MPC current controllers for a single-phase grid-connected inverter operating with distorted grid and significant computation feedback delay

Pimentel, Sergio Pires; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii; Kütt, Lauri; Rodriguez, Jose 2019 IEEE 15th Brazilian Power Electronics Conference and 5th IEEE Southern Power Electronics Conference (COBEP/SPEC) 2019 / 6 p.: ill <https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396>

Distorted grid and significant computation feedback delay

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FCS-model predictive control of a quadratic buck converter for more efficient data centers

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Indirect model predictive control for inverter connected to distorted grid with significant computation delay

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Model predictive control-based dual input split source inverter for PV applications

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Voltage source operation of the energy-router based on model predictive control

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