

**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

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<https://doi.org/10.1109/COBEP/SPEC44138.2019.9065396>

**Feasibility study of model predictive control for grid-connected twisted buck-boost inverter**

Matiushkin, Oleksandr; Husev, Oleksandr; Rodriguez, Jose; Young, Hector; Roasto, Indrek IEEE transactions on industrial electronics 2022 / p. 2488-2499 <https://doi.org/10.1109/TIE.2021.3068663> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Modeling and model predictive control for hybrid electric vehicles**

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[https://www.researchgate.net/publication/257777158\\_Modeling\\_and\\_model\\_predictive\\_control\\_for\\_hybrid\\_electric\\_vehicles](https://www.researchgate.net/publication/257777158_Modeling_and_model_predictive_control_for_hybrid_electric_vehicles)