

Stochastic voltage estimation for islanded DC grids

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Abstract-

The rapid growth and adoption of stochastic approaches to estimate the nodal voltages solely from measurements of the generated and demanded powers. In this study, two of the proposed approaches are data-driven, one based on a multivariate neural network. Meanwhile, the third proposed approach is based on the root mean squared error and the

Index Terms- Stochastic prediction; DC-microgrid state; Linear regression

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