عنوان مقاله:

Simultaneous Estimation of the Parameters and States of Synchronous Generators

محل انتشار:

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خلاصه مقاله:

In this paper, an approach is introduced for simultaneous estimation of states and parameters for a synchronous generator. A nonlinear model of the synchronous generator is considered which is affine in terms of states and unknown parameters and the unknown parameter is assumed piecewise constant. Lyapunov-based adaption laws are obtained which guarantees the convergence of the estimation errors for the states and parameters. Simulation results are given to demonstrate the effectiveness of the proposed adaptive observer method.

کلمات کلیدی:

State estimation, parameter identification, adaptive observer, synchronous generator

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