

## Abstract

**Amerongen, J. van and G. Honderd**, *"Power Frequency Control in a System of Coupled Generating Units - Conventional versus Adaptive Approach"*, Proceedings of the 19th IEEE Conference on Decision and Control, Albuquerque, New Mexico, USA, pp. 1208-1213, 1980

The application of different types of adaptive control for the power-frequency control of the power-generating system in the Netherlands is considered. Model reference adaptive control (MRAS) is applied in order to deal with variations in the parameter which relates the variations in the frequency to variations in the load. Adaptive control and conventional control are compared. Further improvements have been realized by changing the structure of the conventional power frequency control algorithm and by introducing a feedforward adaptive action.