

中華民國第二十二屆電力研討會, 2001 年 11 月 22-23 日

Robust Stabilizing Control and Reliable Control of Decentralized Large-scale Power Systems

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Abstract

This paper presents a new control technique of decentralized large-scale power systems. Computer control is deployed in the overall system. Stabilizing control and reliable control of power systems are achieved via decentralized control. The developed technique will help to simplify system analysis, solve breakdown problem, improve manufacturing process, minimize the cost, and stabilize the systems.

Key words: Robust control; Reliable control;
Decentralized large-scale power system

關鍵字: 強健控制;可靠控制;分散化大尺度電力系統