**عنوان مقاله:**

Robust stabilization of multimachine power systems

**محل انتشار:**

نهمین کنفرانس بین المللی برق (سال: 1373)

تعداد صفحات اصل مقاله: 12

**نویسندگان:**

Alireza Sanai Sabzevary - *Department of Electrical Engineering Waseda University*

Yasuo Tamura - *Department of Electrical Engineering Waseda University*

**خلاصه مقاله:**

The complexity of power systems as well as wide range of operating regimes are beyond practical limitatio s of modelling techniques used in control design, thus in order to provide reliable system operation,a controller must be insensitive to modelling errors.In this paper based on Lyapunov theory and employing Riccati equation approach [1][2] for multimachine power systems a robust feedback controller is designed,and it is shown that the designed controller for all admissible uncertainties can ensure the stability of the overall system.

**کلمات کلیدی:**

uncertainty, Lyapunov functin,Riccati equation

**لینک ثابت مقاله در پایگاه سیویلیکا:**

https://civilica.com/doc/35611