

Load Frequency Control in Multi-Area Power Systems is a research work that focuses on the importance and challenges associated with load frequency control (LFC) in power systems with multiple interconnected areas. The work discusses various techniques and control strategies used to maintain frequency stability and balance load demand across multiple areas. The paper explores different control methods employed in LFC, including conventional proportional-integral (PI) controllers, frequency bias-based controllers, and advanced control techniques such as fuzzy logic control, adaptive control, and optimal control. The authors discuss the advantages and limitations of each approach and analyze their performance in multi-area power systems.



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