

## **APPLICATIONS OF ENTROPY PRINCIPLES IN POWER SYSTEMS**

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### **Abstract**

The entropy is a measure of uncertainty and has been widely applied to almost all disciplines. The purpose of this paper is to give an application of entropy principles in power systems to identify the critical buses. Firstly, fundamentals of entropy principles are introduced. Secondly, the applications of entropy principles in power systems are presented. Finally, conclusion and some suggestions are given for future research on applying entropy principles to power systems.

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