

## عنوان مقاله:

improving voltage shift acceleration control methods for islanding detection considering reactive power

## محل انتشار:

کنفرانس فناوری شبکه‌های الکتریکی هوشمند (سال: 1391)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Distributed generation plays an effective role in power systems. An important problem of DG operation is unwanted islanding phenomenon. Some methods have been introduced to detect islanding, such as passive and active methods. Voltage shift acceleration control is a kind of active methods that uses voltage positive feedback and it has low impact on network performance in normal condition. This paper proposes a modification in voltage shift acceleration control to decrease islanding detection time. Also it is shown that the impact of positive feedback gain during voltage variation is low.

## کلمات کلیدی:

Distributed generation, islanding detection, anti-islanding, active methods, passive methods, communication-based methods, non-detection zone, power mismatch, inverter

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/219293>

