

## عنوان مقاله:

A priority based approach for protection coordination in distribution system

## محل انتشار:

بیستمین کنفرانس توزیع برق (سال: 1394)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

In this paper, a new and practical method is presented to investigate and improve the effect of distributed generation (DG) on recloser-fuse coordination. The main idea is to develop a comprehensive data base from fault currents and protection coordination status of electric distribution system (EDS) against different penetration/location of DGs. For large EDSs, this approach can be used for candidate buses only. The main consequence of this approach is getting a comprehensive perspective from sensitive of protection coordination to DG installation in each bus of EDS. Obtaining preference buses for DG installation and classification of appropriate methods for restoration of protection coordination are the other consequences of this study. The proposed method has been implemented on the IEEE 37-node test feeder as an unbalance EDS, by writing several scripts in MATLAB. The results show the economical and technical advantages of the proposed method.

## کلمات کلیدی:

distributed generation; protection coordination; fault current; recloser; fuse

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/381496>

