

## عنوان مقاله:

Allocation and Sizing of a DG Unit Considering ZIP Load Model

## محل انتشار:

کنفرانس فناوری شبکه های الکتریکی هوشمند (سال: 1391)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

This paper proposes an algorithm to calculate the optimal size and to locate the corresponding optimum place for minimizing power loss of the power system with considering load models for each bus. The method is tested on 30 bus test system. The results is analyzed and compared with that of comprehensive load flows and an approximate loss formula based method. Results show that the proposed approach to determine the load model and the suggested algorithm lead to the best placement of the DG unit for loss reduction. The DG that is considered in this paper is a constant PQ generator unit, the ZIP load model is used in this paper as well. The method by which the load models are determined in this paper is least squares method

## کلمات کلیدی:

Distributed Generation, Dispersed Generation, DG, Allocation, Load Model, ZIP

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/219297>

