

عنوان مقاله:

Development and Investigation of a New Technic For Improve Efficiency of Wind Power in Power Systems

محل انتشار:

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خلاصه مقاله:

Neither, the annual energy output, nor the power curve of a wind turbine cannot give an exact estimate of the turbine performance in a site. A new performance index is introduced in this paper for the wind turbines in potential sites. That index can be used for evaluation of a wind turbine in a site, where the wind speed information at that site should be available. The wind turbine operation as well as the controller performance can be evaluated using this new performance index. Simulation studies showed the effectiveness of the proposed method based on the new performance index.

کلمات کلیدی:

wind turbine, efficiency, wind speed variations, energy extraction

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