

## عنوان مقاله:

Active Yaw Control Algorithm of MW Wind Turbines

## محل انتشار:

بیست و هفتمین کنفرانس بین المللی برق (سال: 1391)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

Active yaw control algorithm acts an important role in MW wind turbines in the world. The yaw system of the wind turbine operates depending on the wind direction. In order to obtain the maximum energy received by the wind turbine and improve the efficiency of the wind generation system, the blades should be kept upwind. In this paper a modified active yaw control algorithm, considering the errors may occurred while power production, is presented. The proposed method developed the classical approach to achieve the maximum efficiency and better performance in power production. An example is solved to demonstrate the accuracy of the proposed approach.

## کلمات کلیدی:

Wind turbine, Active yaw algorithm, PID controller

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/178149>

