Energy Management of the Air Flow in the Air Flow in the Wind Turbine

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The purpose is to study of the influence of the parameters of the air flow on the efficiency of the inertia of the wind turbine. Hypothesis Adjustment parameters of air flow through the impeller inertial wind turbine, to increase the angle of attack increases the efficiency of the wind turbine with the improvement of it's the wind turbine. Objectives of the study -to perform a literature review on the topic of a research project; -to examine the vane wind turbine design and analysis of their work; -to experimental study of the traditional two and multiblade imperellers; -to suggest ways to improve the efficiency of the wind turbine inertia. Subject of the study -Research work of inertia of a wind turbine with corrected parametres of the air flow through the impeller. Stages of the work -organizational-t choose of theme and statement of purpose; - forming- to study of the analytical materials on the use of wind data analysis, forecasting the results of research.

Awards Won: