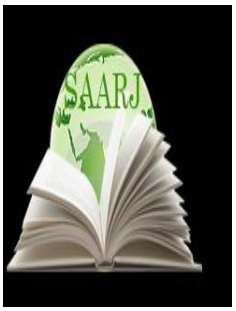

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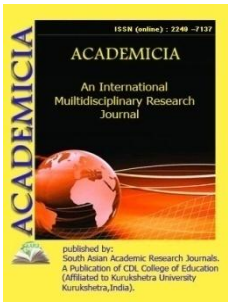

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FEATURES OF METHODS OF OPTIMISING CALCULATION OF PARAMETERS THE COMBINED SOLAR POWER INSTALLATIONS

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ABSTRACT

In given paper use of solar water heaters for processes of the industrial factories is observed. Besides, the analysis of the results gained on experimental installation is presented. However settlement results showed that in the chosen range of temperature its growth leads to increase in total efficiency of installation, as efficiency a steam power cycle raises more intensively, than decreases к.п.д. Photo batteries. It is known that the least decrease in efficiency with temperature growth is characteristic for photo converters on the basis of gallium arsenide. Thus, essential raise of efficiency of the combined photo thermodynamic solar power installations has a consequence considerable martempering of their technical and economic characteristics.

KEYWORDS: *Solar Power, Mathematical Model, Thermodynamic Transformation, Battery, Temperature.*

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