

International Journal of Innovative Science and Modern Engineering

ISSN : 2319 - 6386

Website: www.ijisme.org

Volume-6 Issue-9, AUGUST 2020

Published by:

Lattice Science Publication



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Paper Title: Simulation of Mixed Power Generation and Absorption Cooling System

Abstract: Paper The energy shortage in today's world has shifted the view of researchers to the optimal use of available energy, and experts from energy research centers have always taken steps to achieve this important issue. In the present study, the focus is on the simulation of a mixed system which, in addition to generating power, uses the heat dissipated from its chimney to produce cooling using an absorption chiller. This mixed system is simulated in EES software. The performance of the mixed system is examined in three different views, and in each view, the values of cold loads are obtained from the absorption chiller.

Keywords: Absorption, Chiller, Energy, Heat dissipation, Power

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