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Determination of the optimal range of the compressor inlet air temperature in a power plant with stig cycle through of advanced exergetic analysis

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Abstract

Conventional exergy analysis identifies the more inefficient components; however, this doesn't regard interaction between components, neither real improvement potential to each component of the system, this information is providing for the advanced exergy analysis. In this paper was developed an advanced exergy analysis to determine the optimal range of the compressor inlet air temperature, to compensate the power loss in a power plant with Stig cycle and an air

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Buelvas Hernández, A. , Fajardo, J.G. , Barreto, D.
(2021) *Case Studies in Thermal Engineering*

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(2020) *ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE)*

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