## **Accepted Manuscript**

Thermodynamic and themoeconomic optimization of isothermal endoreversible chemical engine models

A. Ocampo-García, M.A. Barranco-Jiménez, F. Angulo-Brown

PII: S0378-4371(17)30683-0

DOI: http://dx.doi.org/10.1016/j.physa.2017.07.003

Reference: PHYSA 18420

To appear in: Physica A

Received date: 13 February 2017 Revised date: 25 May 2017



Please cite this article as: A. Ocampo-García, M.A. Barranco-Jiménez, F. Angulo-Brown, Thermodynamic and themoeconomic optimization of isothermal endoreversible chemical engine models, *Physica A* (2017), http://dx.doi.org/10.1016/j.physa.2017.07.003

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

\*Highlights (for review)

Highlights:

- 1.- A thermoeconomical analysis of some isothermal chemical engine models is made.
- 2.- In the thermoeconomical analysis, three different regimes of performance are used: Maximum power output; maximum ecological function and maximum efficient power.
- 3.-The efficient power and the profit function are redefined for chemical engines.

## Download English Version:

## https://daneshyari.com/en/article/5102536

Download Persian Version:

https://daneshyari.com/article/5102536

Daneshyari.com