

Volume 29, Number 11, October 2005
ISSN 1359-4311

APPLIED THERMAL ENGINEERING

Editor-in-Chief: *David A. Reay*

DESIGN · PROCESSES · EQUIPMENT · ECONOMICS

Also available on

SCIENCE  DIRECT®

www.sciencedirect.com



PERGAMON

APPLIED THERMAL ENGINEERING

DESIGN · PROCESSES · EQUIPMENT · ECONOMICS

Volume 24, Numbers 14-15

October 2004

CONTENTS

- | | | |
|---|------|---|
| J. FACÃO and A. OLIVEIRA | 1969 | Heat and mass transfer correlations for the design of small indirect contact cooling towers |
| S. B. RIFFAT and G. QIU | 1979 | Comparative investigation of thermoelectric air-conditioners versus vapour compression and absorption air-conditioners |
| C. V. LE, P. K. BANSAL and J. D. TEDFORD | 1995 | Three-zone system simulation model of a multiple-chiller plant |
| R.-F. HORNG and H.-M. CHOU | 2017 | Effect of input energy on the emission of a motorcycle engine with an electrically heated catalyst in cold-start conditions |
| A. BENDADA, A. DERDOURI, M. LAMONTAGNE and Y. SIMARD | 2029 | Analysis of thermal contact resistance between polymer and mold in injection molding |
| M. MANUELA PRIETO GONZÁLEZ, E. BRAÑA ARGÜELLES, J. CARLOS CAMPO RODRÍGUEZ and M. ÁNGEL PÉREZ GARCÍA | 2041 | Thermal performance of a controlled cooling system for low-level optical signals |
| J.-W. JEONG and S. A. MUMMA | 2055 | Simplified cooling capacity estimation model for top insulated metal ceiling radiant cooling panels |
| E. ZERVAS | 2073 | Correlations between cycle-to-cycle variations and combustion parameters of a spark ignition engine |
| H. M. SABIR, R. CHRETIENNEAU and Y. B. M. ELHAG | 2083 | Analytical study of a novel GAX-R heat driven refrigeration cycle |
| V. BADESCU | 2101 | Optimal operation of thermal energy storage units based on stratified and fully mixed water tanks |
| H.-S. KIM, M.-S. SHIN, D.-S. JANG and T.-I. OHM | 2117 | Numerical study of SNCR application to a full-scale stoker incinerator at Daejeon 4th industrial complex |
| K. NAGANO, S. TAKEDA, T. MOCHIDA and K. SHIMAKURA | 2131 | Thermal characteristics of a direct heat exchange system between granules with phase change material and air |

[continued on inside back cover]



ELSEVIER



1359-4311(200410)24:14-15;1-1

Indexed/Abstracted in: *Appl. Mech. Rev.*, *Res. Alert*, *Cam. Sci. Abstr.*,
Chemical Abstracts Service, *Curr. Cont./Eng. Tech. & Appl. Sci.*, *Curr. Tech. Ind.*,
EIC Intell., *Eng. Ind.*, *Metals Abstr.*, *Curr. Cont. SCISEARCH Data.*, *TCEA*