



ISAAC SCIENTIFIC  
PUBLISHING

Volume 2, Number 4, December 2017

# THEORETICAL PHYSICS

(TP)



ISSN (Online): 2519-9633 ISSN (Print): 2519-9625



## TABLE OF CONTENTS

Volume 2    Number 4

December 2017

<b>Impuriton-Phonon Quasiparticles Possibility and Rapid Dissolution of <math>^3\text{He}</math> Inclusions in <math>^4\text{He}</math> Crystal</b> Victor Lykah and Eugene Syrkin.....	145
<b>Cosmological Constant in the Thermodynamic Models of Gravity</b> Merab Gogberashvili1 and Ucha Chutkerashvili1 .....	163
<b>Electrodynamics in Accelerated Frames</b> A. Sfarti .....	166
<b>Electrodynamics in Uniformly Rotating Frames the Central Observer Point of View</b> A. Sfarti .....	177
<b>General Clocks and the Clock Hypothesis</b> A. Sfarti .....	188

## Theoretical Physics (TP)

### EDITOR-IN-CHIEF

**Prof. Christian Corda** School of Advanced Academic Studies and  
Research, Italy

### EDITORIAL BOARD

**Mr. Arun Kenath** Christ University, India  
**Prof. Seyed Hossein Hendi** Shiraz University, Iran  
**Dr. Luca Fabbri** Università di Bologna, Italy  
**Prof. Chun-Sheng Jia** Southwest Petroleum University, China  
**Dr. Francisco Torrens** University of Valencia, Spain  
**Prof. Isabel S. Jesus** Institute of Engineering of Porto, Portugal  
**Prof. Mario J. Pinheiro** University of Lisbon, Portugal  
**Dr. Andrew Beckwith** Chongqing University, China  
**Prof. Rami Ahmad El-Nabulsi** Athens Institute for Education and Research,  
Greece

### SUBSCRIPTIONS

Theoretical Physics (TP) (Online at [www.isaacpub.org](http://www.isaacpub.org)) is published quarterly by Isaac Scientific Publishing. For printed journal subscription, please contact: [service@isaacpub.org](mailto:service@isaacpub.org)  
Subscription rates: \$29 per issue (by air mail)

### ADVERTISEMENTS & REPRINTS

For advertisements and reprints affairs, please contact: [service@isaacpub.org](mailto:service@isaacpub.org)  
The reprints require a minimum quantity of 50 copies.

### PUBLISHER

Isaac Scientific Publishing Co., Limited  
Unit 04, 7/F Bright Way Tower, No. 33 Mong Kok Rd., KL, Hong Kong(China)