



ISSN 2632-9417

VOLUME 4 / NUMBER 1 / 2021

International Journal of Physics & Mathematics

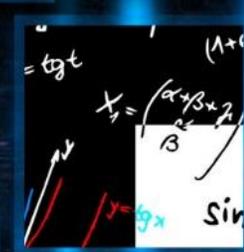
$$\begin{aligned} \frac{F_e}{q} &= k \frac{q}{r^2} \varphi \\ m_e &= N \cdot m_0 = \frac{q}{ve} \frac{M_m}{N_A} \\ E &= \frac{E_c}{a} \int \\ \epsilon &= \epsilon_0 (1 + \alpha \Delta t) \quad I = \frac{U_e}{R + R_i} \\ E &= mc^2 \\ E &= \frac{1}{2} \hbar / k / m \\ \vec{E} &= \frac{1}{\mu_0} (\vec{E} \times \vec{B}) \\ E_k &= \frac{h^2}{8mL^2} \end{aligned}$$

$$\begin{aligned} L &= \frac{Mv}{R} \\ F &= -y + z = 1 \\ x + y + z &= \lambda \\ x + y + z &= \lambda^2 \end{aligned}$$

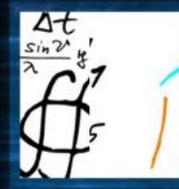


$$y = e^x$$

$$z = \sqrt[3]{x+1}$$



$$\begin{aligned} \cos 2x &= \cos^2 \\ \cos^2 x &= 1 \end{aligned}$$



$$y = \cot g x$$

$$2M$$

$$\begin{aligned} \vec{F}_G &: \rho \neq 0 \\ \int \frac{1}{R^2} &+ (x=0, y=1) \\ &= \frac{1}{h} \end{aligned}$$

International Journal of Physics & Mathematics

EDITOR-IN-CHIEF

Oscar Frost (Prof.)
Imperial College London,
United Kingdom

ASSOCIATE EDITORS

Joan M. R. Díaz (Professor Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Behnam Neyestani (Ph.D.)
De La Salle University,
Philippines

Galo A. P. Espinoza (Prof. Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Miguel Castro Fernández (Ph.D.)
Faculty of Electrical of Cujae,
Spain

Rena Ye (Ph.D.)
Fuzhou University,
China

Lenin A. C. Alava (Professor Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Mohd Z. Ghani (Ph.D.)
Universiti Sains Malaysia,
Malaysia

Yatin Jog (Ph.D.)
Symbiosis International University,
India

Patricia Bachiller (Ph.D.)
University of Zaragoza,
Spain

Emel Esen (Ph.D.)
Yildiz Technical University,
Turkey

Salamun Rashidin (Ph.D.)
University of International Business
and Economics, China

Oom R. Syamsudin (Ph.D.)
University of Indonesia,
Indonesia

COPY EDITORS

Tony Blur
IJPM Copyeditor,
United Kingdom

David Boris
IJPM Copyeditor,
United Kingdom

INTERNATIONAL ADVISORY BOARD

Chukwuma C. Stephen (Ph.D.)
Delta State Polytechnic Ogwashi-
uku, Nigeria

Ciaddy G. R. Borges (Ph.D.)
Corporación Eléctrica Nacional,
Venezuela

Marely D. R. C. Felipe (Ph.D.)
Universidad Técnica de Manabí
(UTM), Ecuador

W. Manuel S. Arauz (Prof. Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Jorge A. R. Salgado (Ph.D.)
Adventist University of Chile,
Chile

Adeniyi Adetunji (Ph.D.)
Bowen University,
Nigeria

Samwel Auya (Ph.D.)
Maasai Mara University,
Kenya

Dharmendra Singh (Ph.D.)
Houston Methodist Research Institute,
USA

Yolanda E. L. Albuerne (Ph.D.)
Universidad Técnica de Manabí,
Ecuador

PRODUCTION EDITORS

Joseph Buckland
IJPM Editorial Production, London,
United Kingdom

Guy Anderson
IJPM Editorial Production, London,
United Kingdom

M A N A G E M E N T C O M M I T T E E

Tamar Shiukashvili (A/Prof.)
Telavi State University,
Georgia

Oscar Frost (Prof.)
Imperial College London,
United Kingdom

Helen Jerry (Prof.)
University of London,
United Kingdom

Tihnov Koldoris (Prof.)
Queen Mary University of London,
United Kingdom

Liu Xiao (Prof.)
Brunel University London,
United Kingdom

Bryony Karen (Prof.)
University of Roehampton,
United Kingdom

Andrew May (Prof.)
Royal Veterinary College,
United Kingdom

Kevin Livingstone (Prof.)
London School of Economics and
Political Science, United Kingdom

Ted F.L. Jing (A/Prof.)
Shanghai International Studies
University, China

Paul Dohler (Prof.)
King's College London,
United Kingdom

Suman Rajest (A/Prof.)
Vels Institute of Science,
India

W E B M A S T E R

Vedran Vucic
PKP Developer,
Belgrade

C O P Y R I G H T A N D C O P Y I N G (I N A N Y F O R M A T)

Articles published in the International Journal of Physics & Mathematics (**IJPM**) are available under *Creative Commons Attribution Non-Commercial No Derivatives Licence (CC BY-NC-ND 4.0)*. Authors retain copyright in their work and grant **IJPM** right of first publication under CC BY-NC-ND 4.0. Users have the right to read, download, copy, distribute, print, search, or link to the full texts of articles in this journal, and to use them for any other lawful purpose. Articles published in **IJPM** can be copied, communicated and shared in their published form for non-commercial purposes provided full attribution is given to the author and the journal. Authors are able to enter into separate, additional contractual arrangements for the non-exclusive distribution of the journal's published version of the work (*e.g., post it to an institutional repository or publish it in a book*), with an acknowledgment of its initial publication in this journal.

D I S C L A I M E R

The Publisher and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher and Editors of the products advertised.

For submission instructions, subscription and all other information visit: <https://sloap.org/journal/index.php/ijpm>

International Journal of Physics & Mathematics

Research Articles

- DS18B20 sensor calibration compared with fluke hart scientific standard sensor** 1
Asep Nata Permana, I Made Satriya Wibawa, I Ketut Putra
- Inverted classroom with learning landscapes in the teaching of music** 8
Valia Del Carmen Fajardo Hernández, Marcos Alejandro Yáñez Rodríguez, Yeneri Carolina Rivas
- About new nonlinear properties of the problem of nonlinear thermal conductivity** 17
Mersaid Mirsiddikovich Aripov, Maftuha Zafrullaevna Sayfullaeva
- The relevance of digital practice in Indonesian mathematics teaching and learning to improve learning outcomes: review of empirical evidence** 23
Arif Ganda Nugroho, Pandu Adi Cakranegara, Alim Hardiansyah
- Measurement of small deformations with a Mach-Zehnder interferometer** 33
Akhror Ibragimovich Mamadjanov, Adhamjon Raxmatillayevich Turgunov
- Some electrophysical properties of polycrystalline silicon obtained in a solar oven** 39
Lutfiddin Omanovich Olimov, Iqboljon Ibroximovich Anarboyev



Scientific & Literature Open Access Publishing

Homepage: <https://sloap.org/journal/index.php/ijpm/>