



Nurul Akmal Mohamed <akmal.mohamed@fsmf.upsi.edu.my>

REVIEW PAPER ID KOSIST019-OO2

5 messages

FST USIM <kosist19@gmail.com>
To: akmal.mohamed@fsmf.upsi.edu.my

7 November 2019 at 11:36

Nurul Akmal binti Mohamed
Faculty of Science and Mathematics
Universiti Pendidikan Sultan Idris

I believe that you would serve as an excellent reviewer of the submission, "*Analytical Solution of Homogeneous One-Dimensional Heat Equation with Neumann Boundary Conditions*" which has been submitted to Postgraduate Seminar Faculty of Science and Technology (KOSIST19'). The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

The review itself is due on 14 November 2019.


Thank you for considering this request.

"Analytical Solution of Homogeneous One-Dimensional Heat Equation with Neumann Boundary Conditions"

Abstract

A partial differential equation is an equation which includes derivatives of an unknown function with respect to two or more independent variables. The analytical solution is needed to obtain the exact solution of partial differential equation. To solve these partial differential equations, the appropriate boundary and initial conditions are needed. The general solution is dependent not only on the equation, but also on the boundary conditions. In other words, these partial differential equations will have different general solution when paired with different sets of boundary conditions. In the present study, the homogeneous one-dimensional heat equation will be solved analytically by using separation of variables method. Our main objective is to determine the general and specific solution of heat equation based on analytical solution. To verify our objective, the heat equation will be solved based on the different functions of initial conditions on Neumann boundary conditions. The results have been compared with different values of initial conditions but the boundary condition remain the same. Based on the results obtained, it can be concluded that the separation of variable is one of the good and easier analytical method for solving one-dimensional heat equation with Neumann boundary condition.

Regards,
Committee
KOSIST19'
Universiti Sains Islam Malaysia

2 attachments **Review Form 2019.doc**
36K **KOSIST019-OO2.pdf**
520K

Nurul Akmal Mohamed <akmal.mohamed@fsmt.upsi.edu.my>
To: FST USIM <kosist19@gmail.com>

14 November 2019 at 16:42

Salam,
I would like to know about the quality of the journal before I can review the paper.
Is this JOAM a Scopus indexed paper? What is JOAM is standing for?

If not published in JOAM, what will be the alternative?
T.Q.

[Quoted text hidden]

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Best regards,
Dr. Nurul Akmal binti Mohamed,
Mathematics department,
Faculty of Science and Mathematics,
Universiti Pendidikan Sultan Idris (UPSI).

FST USIM <kosist19@gmail.com>
To: Nurul Akmal Mohamed <akmal.mohamed@fsmt.upsi.edu.my>

15 November 2019 at 11:07

Wasalam.
It is JMFS- Journal of Mathematical and Fundamental Sciences, indexed by Scopus.
[Quoted text hidden]

Nurul Akmal Mohamed <akmal.mohamed@fsmt.upsi.edu.my>
To: FST USIM <kosist19@gmail.com>

15 November 2019 at 17:28

As attached.
[Quoted text hidden]



Review Form 2019 NURUL AKMAL.doc
39K

FST USIM <kosist19@gmail.com>
To: Nurul Akmal Mohamed <akmal.mohamed@fsmt.upsi.edu.my>

19 November 2019 at 12:34

Received with thanks.
[Quoted text hidden]