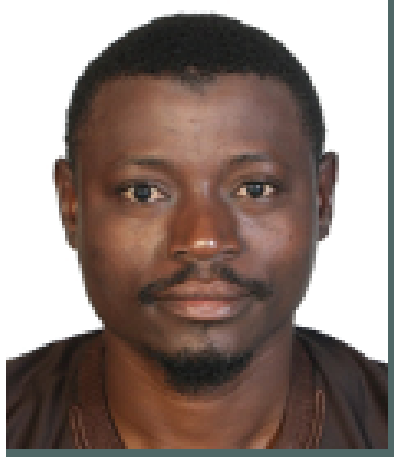


16/2020

ONLINE INSPERM'S WEEKLY SEMINAR

DATE : 12 JUNE 2020 | TIME : 3.15 PM (MALAYSIA) / 8.15 AM (NIGERIA)
MEDIUM : VIDEO CONFERENCE (GOOGLE MEET)

 <https://meet.google.com/xxk-rhaj-cox>



**Dr. Yusuf Dauda
Jikantoro**

Ibrahim Badamasi Babangida
University, Lapai, Nigeria.

UPM Class of 2018



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Topic :
Order Conditions of Three-Step Hybrid Method for
 $y'' = f(x, y)$

ABSTRACT

In this study, B-series is used to analyze order of convergence of a class of three-step hybrid methods for solving systems of special second order initial value problems. A straightforward technique that generates algebraic order conditions, which is easier to operate than the well known Taylor series approach, is derived. Hence, the algebraic order conditions of the method are presented.