

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_48357
Title of the Manuscript:	A Family of High Order One-Block Methods for the Solution of Stiff Initial Value Problems
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<ol style="list-style-type: none"> Validation of results should be perform. The English needs improvement. The literature should be updated with recent published articles listed below Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Effects of thermal radiation, viscous and Joule heating on electrical MHD nanofluid with double stratification. <i>Chinese Journal of Physics</i>, 55(3), 630-651. Daniel, Y. S., & Daniel, S. K. (2015). Effects of buoyancy and thermal radiation on MHD flow over a stretching porous sheet using homotopy analysis method. <i>Alexandria Engineering Journal</i>, 54(3), 705-712. Daniel, Y. S. (2016). Laminar convective boundary layer slip flow over a flat plate using homotopy analysis method. <i>Journal of The Institution of Engineers (India): Series E</i>, 97(2), 115-121. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Entropy analysis in electrical magnetohydrodynamic (MHD) flow of nanofluid with effects of thermal radiation, viscous dissipation, and chemical reaction. <i>Theoretical and Applied Mechanics Letters</i>, 7(4), 235-242. Daniel, Y. S. (2015). Steady MHD laminar flows and heat transfer adjacent to porous stretching sheets using HAM. <i>American journal of heat and mass transfer</i>, 2(3), 146-159. Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Effects of slip and convective conditions on MHD flow of nanofluid over a porous 	<ol style="list-style-type: none"> I disagree with the reviewer on point number one. I did not only solve example 1. but did so using 4 different orders of the family of methods to validate the results. This was done by comparing the computational solution with the theoretical order. The agreement between the computational rate of convergence and the theoretical order validates the results. Sometime software incompatibility jam some words together when you move from one software to another. I suspect that might be the reason why he is complaining about the English. I can send PDF copy if that is the case. I agree with him that the literature should be updated which I have done using related articles. But not with his recommended articles which has no relationship with this article.

	<p>nonlinear stretching/shrinking sheet. <i>Australian Journal of Mechanical Engineering</i>, 16(3), 213-229.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Numerical study of Entropy analysis for electrical unsteady natural magnetohydrodynamic flow of nanofluid and heat transfer. <i>Chinese Journal of Physics</i>, 55(5), 1821-1848.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Impact of thermal radiation on electrical MHD flow of nanofluid over nonlinear stretching sheet with variable thickness. <i>Alexandria engineering journal</i>, 57(3), 2187-2197.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Thermal stratification effects on MHD radiative flow of nanofluid over nonlinear stretching sheet with variable thickness. <i>Journal of Computational Design and Engineering</i>, 5(2), 232-242.</p> <p>Daniel, Y. S. (2017). MHD laminar flows and heat transfer adjacent to permeable stretching sheets with partial slip condition. <i>Journal of Advanced Mechanical Engineering</i>, 4(1), 1-15.</p> <p>Daniel, Y. S. (2016). Steady MHD boundary-layer slip flow and heat transfer of nanofluid over a convectively heated of a non-linear permeable sheet. <i>Journal of Advanced Mechanical Engineering</i>, 3(1), 1-14.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Double stratification effects on unsteady electrical MHD mixed convection flow of nanofluid with viscous dissipation and Joule heating. <i>Journal of applied research and technology</i>, 15(5), 464-476.</p> <p>Daniel, Y. S. (2015). Presence of heat generation/absorption on boundary layer slip flow of nanofluid over a porous stretching sheet. <i>American Journal of Heat and Mass Transfer</i>, 2(1), 15-30.</p>	
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	<p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Thermal radiation on unsteady electrical MHD flow of nanofluid over stretching sheet with chemical reaction. <i>Journal of King Saud University-Science</i>.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Hydromagnetic slip flow of nanofluid with thermal stratification and convective heating. <i>Australian Journal of Mechanical Engineering</i>, 1-9.</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2018). Slip Effects on Electrical Unsteady MHD Natural Convection Flow of Nanofluid over a Permeable Shrinking Sheet with Thermal Radiation. <i>Engineering Letters</i>, 26(1).</p> <p>Daniel, Y. S., Aziz, Z. A., Ismail, Z., & Salah, F. (2017). Entropy Analysis of Unsteady Magnetohydrodynamic Nanofluid over Stretching Sheet with Electric Field. <i>International Journal for Multiscale Computational Engineering</i>, 15(6).</p>	
Minor REVISION comments		
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	