



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_49250
Title of the Manuscript:	Adaptive Variable Weight Accumulation AVWA-DGM(1,1) Model Based on Particle Swarm Optimization
Type of the Article	Method 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer'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	Author's comment ()
Compulsory REVISION comments	<p>The paper proposes an adaptive variable weight accumulation optimization DGM(1,1) model. The coefficients of the proposed model were optimized by a Particle Swarm Optimization..</p> <p>Several numerical examples were shown.</p> <p>Authors claim that the proposed model has higher simulation and prediction accuracy than the classical one.</p> <p>The English is legible but could be improved.</p>	
Minor REVISION comments	<ul style="list-style-type: none">- At the beginning of some sentences a space must be inserted. e.g. line 43, 50- Equation (1) separate k values from the equation- line 155, consider to remove the word "first" from the sentences-line 163, consider to change "fly to" to "fly within"-line 164 consider to change the sentence: "Each particle in the particle swarm is determined by a fitness function" to "Each particle in the swarm is evaluated by the objective function"-line 168: consider to chance: "extremum2 to "best"-line 168: consider to chance "group extremum" to "global best"-line 175: l1, l2 but in (20) c1 and c2 were used-table 9: do not use Chinese characters	<p>Dear Reviewer,</p> <p>We would like to express our thankfulness for your much constructive and valuable advices. We have revised the paper following your comments and suggestions. The changes made in the revision appear in yellow, and the answers to your comments are listed as follows.</p> <ul style="list-style-type: none"><input type="checkbox"/> Thank you for reading carefully and making such valuable comments for my work. I was apologetic because of the negligence of the word spelling mistakes, and we corrected it in time.<input type="checkbox"/> Thank you for your comments, in accordance with your revised comments, we have modified this formula<input type="checkbox"/> Based on your comments, we have removed the word "first", thank you for reading.<input type="checkbox"/> Based on your comments, we have replaced the 'fly' with 'fly within', thank you for reading.<input type="checkbox"/> Based on your comments, we have modified the sentence within"<input type="checkbox"/> -line 164 consider to change the sentence: "Each particle in the particle swarm is determined by a fitness function" to "Each particle in the swarm is evaluated by the objective function", thank you for reading.<input type="checkbox"/> Based on your comments, we have replaced the 'extremum2' with 'best', thank you for reading.<input type="checkbox"/> Based on your comments, we have replaced the 'group extremum' with 'global best', thank you for reading.<input type="checkbox"/> First of all, I am sorry, we did not notice this problem while writing. Secondly, thank you very much for your suggestion. We have modified the 'c1,c2' to the 'l1,l2'.<input type="checkbox"/> Thank you for your carefully read and detailed comments , When we saw this amendment, we attached great importance to this opinion. For your comments, We have already translated the Chinese characters in English.



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Optional/General comments	PSO should be described in more detail. It is not possible for the reader to repeat the simulations since no details are given. For example: w_i , w_f , c_1 , c_2 , search space, objective function.	<div><input type="checkbox"/> For this problem, we have added specific parameter settings to the modified manuscript, please refer to the yellow marked area. Finally, we have thoroughly revised the paper in order to present a more clear and concise manuscript. We hope these corrections will meet with approval. Once again, thank you very much for your comments.</div> <div>With Best Regards.</div> <div>Lang Yu & Co-authors.</div>
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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?	(If yes, Kindly please write down the ethical issues here in details)	