



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	Ms_BJMCS_28497
Title of the Manuscript:	AUTOMATION OF GATING SYSTEM PARAMETERS FOR GREEN SAND IRON CASTINGS
Type of the Article	Original research paper

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	<p>The experimental details and content are both excellent, however, authors need to pay special attention to the details of experssions.</p> <p>-----□□ = Mass density of molten metal, kg/mm³. For grey cast iron, □□ = 6.09 x 10⁻⁶, kgmm-3 (Charles and Timothy, 1981) Authors need to uniform the units applied in the text.</p> <p>-----Conclusion Authors need to delete words such as 'it can be concluded that' and rewrite this part.</p>	<p>The use of kgmm-3 in this expression was basically to homogenize the units. Since the mass was given in kg and dimensions in mm.</p> <p>The statement has been changed to read "In conclusion,....."</p>
Minor REVISION comments	<p>-----In Fig.8, 2 0 -2 should be seperated</p> <p>-----References Authors should correct the reference part according to the journal's requirements. [22]Masuomi M. (2007), "Effect of Gating Design on Mould Filling", <i>International Journal of Cast Metal Research, American Foundry Society</i>, 2007. Twice year [21] Knight, B., Cowell, D.F., Preddy, K. (1995): An Object Oriented Support Tool for the Design of Casting Procedures Engineering Applications of Artificial Intelligence. Vol 8. no.5, pp. 561-567, (1995) [14] Hardin, R.A., and Beckermann, C. (2004): "Effect of Porosity on Mechanical Properties of 8630 Cast Steel," <i>Proceedings of the 58th SFSA Technical and Operating Conference</i>, Paper No. 4.4, Steel</p>	<p>The numerical values 2 0 -2 have been separated</p> <p>The references have been corrected</p>



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	Founders' Society of America, Chicago, IL. [16] Hays T., Hartay G. and Bell C. (2003): "Experiments in Steel Gating: Three Foundries Report", MODERN CASTING, March 2003, 35.	
<u>Optional/General</u> comments	None	