



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.

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>)



SDI Review Form 1.6

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>This paper discusses a simple simulation tool for gating calculations, which is developed for a greensand system for production of grey iron casting. This simulation tool is developed in MATLAB Guided User Interfaces (GUIs). For calculation procedure, theoretical concepts and casting rules, which are fluid mechanical and empirical rules, are applied. The advantages of this simulation tool are mentioned. The GUIs window is discussed. The results are well-reported. However, the presentation of the paper could be further improved.</p> <p>Some comments are given below:</p> <ol style="list-style-type: none"> 1. In abstract, the sentence of "These were moulded in green sand, cast and evaluated." seems incomplete. 2. Use Equation (2.1) and so on when mention the related equation in the text. 3. Notations of the parameters in the text and in the equation should be written in <i>italic</i> form. 4. In Equations (2.1) and (2.2), there is an s at the end of equation. Does the s a parameter or unit of time? Please define. 5. The numbering of the equation should be put at 	<ol style="list-style-type: none"> 1. The statement was been recast to read <i>"These components were moulded in green sand, cast and evaluated using visual inspection, bulk density and apparent porosity measurement and ultrasonic flaw detection methods."</i> 2. Agreed and complied. 3. All notations have been changed to italics form in the texts and equations. 4. The s in the two equations is the unit of time. However, it has been removed to avoid confusion. 5. Okay and done.



SDI Review Form 1.6

	<p>the end of the right-end side.</p> <p>6. In Section 2.1, Part V, there is a ratio given by S:R:G. What are S, R and G stand for? The same go to ASTM.</p> <p>7. In Section 3.2, what do Plates 1, 2, 3, and 4 refer to? Are they figure? Or shall they put under a name of figure?</p> <p>8. The values of 7.2 and 0.96%, which are mentioned in the text after Table 1, are not in Table 1. Is any mistake?</p> <p>9. The notation for thickness is t and the notation for time is also t. Perhaps, can change the notation for either one.</p> <p>For convenience, the comments are given in the yellow colour, which shall be revised properly.</p>	<p>6. The ratio S:R:G means Sprue:Runner:Ingates and ASTM in an acronym for American Standards for Testing Metals.</p> <p>7. The Plates actually indicate photographs but they are now changed to Figures.</p> <p>8. The values 7.2 and 0.96% (now recalculated to 0.76%) are the approximated average values of bulk densities and apparent porosities respectively.</p> <p>9. Noted and corrected.</p> <p>Thank you very much the comments in yellow colour really helped.</p>
<u>Minor</u> REVISION comments	<p>1. Check the verb after singular and plural subjects.</p> <p>2. Check the tenses used.</p>	<p>1. Done.</p> <p>2. Done</p>
<u>Optional/General</u> comments		