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Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_8471
Title of the Manuscript:	MMPP/G/m/m+r Queuing System Model to analytically evaluate Cloud Computing Center Performances
Type of the Article	Original Research Article

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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	for the paper entitled as "MMPP/G/m/m+r Queuing System Model to Analytically Evaluate Cloud Computing Center Performances", which has the Ref. No.: 2013-BJMCS-8471 This paper studies the performance for a parallel-server queue system with finite buffer. Generally speaking, the paper is not quite well written and the authors need to make a great effort to revise the paper. Some examples of comments and suggestions are listed as follows. 1. In line 209, how to use the equation "$q_{n+1} = q_n - v_{n+1} + 1$" to describe the case that $v_{n+1} = 0$ and $q_n = m + r$? In this situation, some loss or blocking should happen. In line 210 and line 228, how to calculate p_{ij} in terms of λ, Q, and μ should be explained and proved. In addition, how to choose concrete p_{ij} for Fig. 3 and Fig. 4 should be explained. 2. In line 157, "Represent" should be	First of all we would like to thanks the Reviewer: All the remarks suggested by the Reviewer are done and are highlighted in the manuscript. The used model takes into account the loss of tasks and allows to compute the blocking probability The p_{ij} in line 228 are intrinsic characteristics of the MMPP process used in this model while those defined in 210 are calculated in lines 285 to 298. The values are chosen in an arbitrary way.



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	“represent”. 3. From line 181 to line 188, the English expressions should be revised. 4. In line 194, the claim concerning “ergodic” should be proved or provide the exact reference. 5. In line 205, “Let A_n and A_{n+1} the moments ...” should be “Let A_n and A_{n+1} be the moments ...”	Done Removed, it was just a template paragraph that slips into the final version of the text " The condition to have ergodicity are satisfied here. This is a classical result mentioned in the majority of books that deal with Markov chains as in reference 7 in the manuscript: L. Kleinrock, Queueing Systems: Theory, vol. 1, Wiley-Interscience, 1975." Done
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		