



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_19903
Title of the Manuscript:	Computational Algorithms for Syndrome Based Single Error Correction in Residue Number Systems
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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	Line 150 Computation of X from $\underline{x}$ involves large integers when the dynamic range of RNS is What is $\underline{x}$? A typo? In presented examples we have some calculations where a negative number is mod positive number (line 667, line 489). Because there are well-known doubts about moduli operation in the case of negative numbers it will be good to make a short note about this problem in the paper. Probably this is trivial for authors, but let's note that under Windows Calculator $(-2) \bmod 3 = -2$ whereas under Google Calculator we have $(-2) \bmod 3 = 1$. There are also examples that different programming languages calculates moduli operation in a different way thus if we have presentation of algorithms that can be written in different programming languages these limitations should be taken into account.	Thanks for pointing it out, it was a typo that has been fixed. I have highlighted it in Line 150. This is a crucial point. I have added a few sentences in lines 117-119 and highlighted them clearly stating that all residues are either positive or are converted to equivalent positive values.
<u>Optional/General</u> comments	This paper is written in a very good manner. It presents valuable examples and authors take care about necessary details during its preparation. Paper should be accepted for publication.	