



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2013_BJMCS_7519
Title of the Manuscript:	THE CONVOLUTION SUM $\sum_{m < n/8} \sigma_3(m) \sigma_3(n - 8m)$
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)
Compulsory REVISION comments	The authors study the convolution sum $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m)$ and the applications of this sum. The computations developed by the authors are correct. Although the paper could be accepted by the authors mathematical solutions, it is necessary to be rechecked grammatically by an English native speaker. For example, In page 3, the authors can write “In this paper, we obtain the convolution sums $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m)$, $\sum_{m < \frac{n}{8}} \sigma_{3,0}(m;2) \sigma_{3,0}(n-8m;2)$ $\sum_{m < \frac{n}{8}} \sigma_3(m;2) \sigma_{3,1}(n-8m;2),$ $\sum_{m < \frac{n}{8}} \sigma_{3,1}(m;2) \sigma_{3,0}(n-8m;2)$ for $n \in N$, using the Ramanujan and Williams' results. Furthermore, as an application of	



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	$\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m),$ we evaluate” instead of “ In [5, p.392], In this paper, we can use the Ramanujan and Williams’ results so that we obtain some various formulae related to “In this paper, we obtain the convolution sums $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m), \quad \sum_{m < \frac{n}{8}} \sigma_{3,0}(m;2) \sigma_{3,0}(n-8m;2)$ $\sum_{m < \frac{n}{8}} \sigma_3(m;2) \sigma_{3,1}(n-8m;2),$ $\sum_{m < \frac{n}{8}} \sigma_{3,1}(m;2) \sigma_{3,0}(n-8m;2)$ for $n \in N$, using the Ramanujan and Williams’ results. Furthermore, As an application of $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m)$, we evaluate” to “ In [5, p.392], In this paper, we can use the	
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	Ramanujan and Williams' results so that we obtain some various formulae related to $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m)$ (see Theorem 3.2), for example, we obtain the formulae of the convolution sums, $\sum_{m < \frac{n}{8}} \sigma_{3,0}(m;2) \sigma_{3,0}(n-8m;2)$ $\sum_{m < \frac{n}{8}} \sigma_3(m;2) \sigma_{3,1}(n-8m;2)$ $\sum_{m < \frac{n}{8}} \sigma_{3,1}(m;2) \sigma_{3,0}(n-8m;2)$ for $n \in N$ in Theorem 3.3. As an application of $\sum_{m < \frac{n}{8}} \sigma_3(m) \sigma_3(n-8m)$, we evaluate in Section 4 the number.....”	
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<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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