



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">British Journal of Mathematics &amp; Computer Science</a>                       |
| Manuscript Number:       | 2014_BJMCS_15923                                                                            |
| Title of the Manuscript: | ALMOST CONVERGENT SEQUENCE SPACE DERIVED BY GENERALIZED FIBONACCI MATRIX AND FIBONACCI CORE |
| Type of the 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.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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**PART 1: Review Comments**

|                                            | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Author's comment</b> <i>(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)</i> |
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| <b><u>Compulsory</u></b> REVISION comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                             |
| <b><u>Minor</u></b> REVISION comments      | <p><b>There are many grammatical errors in the pages of the paper. So, this paper have to read by author(s) and the author(s) have to check proofs of the theorems</b></p> <p>REVISIONS:<br/>In this paper, a new sequence space has been constructed and investigated some properties, such as matrix transformations and core theorems, etc. According to me, there are some misprints and some serious errors in the paper which I have listed below:</p> <ol style="list-style-type: none"> <li>1. In the page 1, line 8 (above, in abstract), "...and dealt..." should be "...and deal..."</li> <li>2. In the page 1, line 9 (above, in abstract), "...with respect to this newly ... core type. " should be "...with respect to Fibonacci core. "</li> <li>3. In the page 1, the lines from 12 to 23(above) should delete, these sentences are unnecessary to express ideas of the paper. The introduction can start with "By <math>w</math> we denote..."</li> <li>4. In the page 1, in the lines 31-32(above), the sentence "The shift operator ... <math>\{n\}</math> in <math>\mathbb{N}</math>." should delete and the sentence "A Banach limit ... and <math>L(e)=1</math>." rewrite as follows:</li> </ol> |                                                                                                                                                                                             |



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|  | <p>"A Banach limit ... and <math>L(e)=1</math>, where <math>\varphi</math> is shift operator and <math>e=(1,1,...,1,...)</math>."</p> <p>5. In the page 2, in the lines 8 and 9 (above), "<math>x \in w</math>" should be "<math>x \in \ell_{\infty}</math>"</p> <p>6. In the page 2, the lines 10-17 are unnecessary because of everyone know that the inclusions <math>c_0 \subset c \subset \widehat{c} \subset \ell_{\infty}</math> are valid.</p> <p>7. In the page 2, the definition of regular matrix can give more clear, (see [1], page:6).</p> <p>8. In page 3, line 11(above), "<math>b_{nk}(r,s)=\left\{\begin{array}{cc} r, &amp; k=n \\ s, &amp; k=n-1 \\ 0, &amp; \text{otherwise} \end{array}\right.</math>"</p> <p style="padding-left: 100px;"><math>\right. b_{nk}(\tilde{r},\tilde{s})=\left\{\begin{array}{cc} r &amp; k=n \\ s &amp; k=n-1 \\ 0 &amp; \text{otherwise} \end{array}\right.</math></p> <p style="padding-left: 100px;"><math>\right. \dots</math>" should be "<math>b_{nk}(r,s)=\left\{\begin{array}{cc} r, &amp; k=n \\ s, &amp; k=n-1 \\ 0, &amp; \text{otherwise} \end{array}\right.</math>"</p> <p style="padding-left: 100px;"><math>\right. , \sim b_{nk}(\tilde{r},\tilde{s})=\left\{\begin{array}{cc} r &amp; k=n \\ s &amp; k=n-1 \\ 0 &amp; \text{otherwise} \end{array}\right.</math></p> <p style="padding-left: 100px;"><math>\right. \dots</math>".</p> |  |
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|  | <p>9. Page 5, line 5 (bottom), if we take <math>k_n = [(-s)^{n+2} / (r)^{n+1}]</math> then the product <math>\widehat{F}k \neq e^0</math>. According to me, the sequence <math>k</math> should take <math>k_n = \frac{(-s)^{n+2}}{r^{n+1}}</math>. (What is the mean of <math>e^0</math>? It should explain in the text.)</p> <p>10. Page 6, line 5 (bottom), the line</p> $\frac{f_n}{f_{n+1}}x_n + s \frac{f_{n+1}}{f_n}x_{n-1} = r \frac{f_k}{f_{k+1}} \sum_{j=0}^k \frac{1}{r} \left( \frac{-s}{r} \right)^{k-j} \frac{f_{k+1}^2}{f_{j+1}} y_j + s \frac{f_k}{f_{k+1}} \sum_{j=0}^{k-1} \frac{1}{r} \left( \frac{-s}{r} \right)^{k-j-1} \frac{f_{k+1}^2}{f_{j+1}} y_j = \dots$ <p>should be as follows:</p> $\frac{f_k}{f_{k+1}}x_k + s \frac{f_{k+1}}{f_k}x_{k-1} = r \frac{f_k}{f_{k+1}} \sum_{j=0}^k \frac{1}{r} \left( \frac{-s}{r} \right)^{k-j} \frac{f_{k+1}^2}{f_{j+1}} y_j + s \frac{f_k}{f_{k+1}} \sum_{j=0}^{k-1} \frac{1}{r} \left( \frac{-s}{r} \right)^{k-j-1} \frac{f_{k+1}^2}{f_{j+1}} y_j = \dots$ <p>11. Page 6, line 1 (bottom), the line</p> $\lim_{m \rightarrow \infty} \sum_{j=0}^m \frac{r}{f_{n+j}} \left( \frac{f_{n+1+j}}{f_{n+j}} x_{n+j} + s \frac{f_{n+1+j}}{f_{n+j}} \frac{f_{n+j}}{f_{n-1+j}} x_{n-1+j} \right) = \dots$ <p>should be</p> $\lim_{m \rightarrow \infty} \sum_{j=0}^m \frac{r}{f_{k+j}} \left( \frac{f_{k+1+j}}{f_{k+j}} x_{k+j} + s \frac{f_{k+1+j}}{f_{k+j}} \frac{f_{k+j}}{f_{k-1+j}} x_{k-1+j} \right) = \dots$ <p>12. Page 8, in the lines 2-4, 9, 13, 21-22, (above), <math>a = (\alpha_k)</math> should be rewritten as <math>a = (a_k)</math>.</p> <p>13. Page 12, line 12 (bottom) "<math>\ell_{\infty}(\mathbb{C})</math>" should be</p> |  |
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|                                            | <p>"\$...\ell_{\infty}\$"</p> <p>\textbf{References}</p> <p>[1] A. Wilansky, {\em Summability through functional analysis}, Elsevier Science Publishers, North Holland- Amsterdam-New York-Oxford, 1984.</p> |  |
| <b><u>Optional/General</u></b><br>comments |                                                                                                                                                                                                              |  |

**Reviewer Details:**

|                                  |                  |
|----------------------------------|------------------|
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