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| Journal Name: | [**Asian Research Journal of Mathematics**](https://journalarjom.com/index.php/ARJOM) |
| Manuscript Number: | **Ms\_ARJOM\_141359** |
| Title of the Manuscript: | On The Spectrum Of Some Infinite Matrix As An Operator On the Sequence Space |
| Type of the Article | **Original Research Article** |

**PART 1: Comments**

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|  | **Reviewer’s comment**   |  |  | | --- | --- | | **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer** | | | **review.** |  | | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | The authors determine the spectrum of an infinite matrix regarded as a bounded linear operator over the space of all convergent to zero sequences of real numbers. Notions of sequence-to-sequence transformation and Norlund means are recalled. Related notations are also under attention. First, sufficient condition for the existence of the inverse notated by the Authors with G = (A – lambda I)^(-1) as a bounded linear operator in B(c-0) are pointed out. Second, the spectrum of G is determined. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title of the Article is suitable. |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | The Abstract is comprehensive**.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript is scientifically correct. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | There are sufficient and suitable references. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | The English of the article is suitable for scholarly communications. |  |
| **Optional/General** comments |  |  |

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| **PART 2:** | | |
|  | **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)* |
| **Are there ethical issues in this manuscript?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Cristian Octav Olteanu, Polytechnic University of Bucharest, Romania**