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| Book Name: | [Mathematics and Computer Science: Research Updates](https://www.bookpi.org/bookstore/product/mathematics-and-computer-science-research-updates-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4910** |
| Title of the Manuscript:  | **Performance Analysis of Linear Congruential Random Generator Algorithms Using Python and Java Languages** |
| Type of the Article | **BOOK CHAPTER** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Advances in Mathematics and Computer Science, Volume 40, Issue 2, Page 40-52, 2025.**

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. 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 chapter describes the performance analysis of linear congruential random generator algorithms using Python and Java programming languages. The details of the experiments and the appropriate programming code for both Java and Python is provided. The experiments analysis is visualized in tables and graphs and also provides reader the understanding of experiment process and its benefits.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| 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. | **Abstract of the chapter is comprehensive, but please fix syntax, missed spaces and misspells** |  |
| **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.****-** | **To have a comprehensive review, you need to use the latest innovations, works and papers (last 5 years). In the current list you have a lot of old references. Please replace them with the fresh one.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | English quality is good |  |
| Optional/General comments | Please fix syntax, missed spaces and misspellsPlease provide all definitions of all abbreviations you have.Please do not duplicate definitions of abbreviations.In abstract add definition for abbreviations only if you use such abbreviations in the abstract only, in the main part of chapter you need to define them again.Please give an explanation why only Java and Python were selected for comparison? Why not C++? Provide pros & cons for such selection.The adding some details about the environment setup for experiments will improve the quality of chapter and gives a chance for reader to reproduce your experiments.No ethical issuesNo plagiarism |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  |  |  |

**Reviewer details:**

**Sergii Khlamov, Kharkiv National University of Radio Electronics, Ukraine**