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REVIEWER'S REPORT

Manuscript No.: IJAR-50116

Date: 03-02-2025

Title: New one-dimensional (1D) chaotic card for data encryption

Recommendation:

- Accept as it is ... **YES** ...
- Accept after minor revision... ..
- Accept after major revision
- Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			✓	
Techn. Quality			✓	
Clarity		✓		
Significance			✓	

Reviewer Name: Gulnawaz Gani

Comments

Reviewer's Comment / Report

The article introduces a novel one-dimensional polynomial exponential chaotic map (1D-PEC) for cryptographic applications. It analyzes its dynamic properties, demonstrating improved chaotic behavior, larger key space, and enhanced security features compared to traditional logistic maps. The study includes sensitivity tests, bifurcation analysis, and histogram evaluations, confirming the map's potential for encryption.

The research is well-structured and contributes to advancing chaos-based cryptography.

Decision:

Accept