

# Document details



< Back to results | 1 of 2 Next >

Export Download Print E-mail Save to PDF Add to List More... >

[Full Text](#) View at Publisher

Mathematical Notes  
Volume 103, Issue 1-2, 1 January 2018, Pages 328-333

## On Regularity of Positive Quadratic Doubly Stochastic Operators (Article)

Saburov, M.<sup>ab</sup>  

<sup>a</sup>International Islamic University Malaysia, Kuantan, Malaysia

<sup>b</sup>College of Engineering and Technology, American University of the Middle East, Egaila, Kuwait

### Abstract

[View references \(13\)](#)

[No abstract available]

### Author keywords

[cubic stochastic matrix](#) [quadratic doubly stochastic operator](#) [regularity](#)

### Funding details

Funding number	Funding sponsor	Acronym	Funding opportunities
	Abdus Salam International Centre for Theoretical Physics	ICTP	See opportunities by ICTP <a href="#">↗</a>
FRGS14-141-0382	Ministry of Higher Education, Malaysia	MOHE	

### Funding text

This work was supported in part by the Ministry of Education of Malaysia under grant FRGS (project no. FRGS14-141-0382). The author also thanks to the Junior Associate Scheme, International Centre for Theoretical Physics (ICTP), Trieste, Italy, for the invitation and hospitality.

ISSN: 00014346  
Source Type: Journal  
Original language: English

DOI: 10.1134/S0001434618010376  
Document Type: Article  
Publisher: Pleiades Publishing

### References (13)

[View in search results format >](#)

All [Export](#) [Print](#) [E-mail](#) [Save to PDF](#) [Create bibliography](#)

- 1 Kolokoltsov, V. (2010) *Nonlinear Markov Processes and Kinetic Equations*. Cited 46 times.
- 2 Saburov, M. Ergodicity of nonlinear Markov operators on the finite dimensional space (2016) *Nonlinear Analysis, Theory, Methods and Applications*, 143, pp. 105-119. Cited 8 times. doi: 10.1016/j.na.2016.05.006  
[View at Publisher](#)

### Metrics

0 Citations in Scopus  
0 Field-Weighted Citation Impact



### PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

### Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

[Set citation feed >](#)

### Related documents

- On Regularity of Diagonally Positive Quadratic Doubly Stochastic Operators  
Saburov, M. (2017) *Results in Mathematics*
- P-majorizing quadratic stochastic operators  
Saburov, M. , Yusof, N.A. (2017) *Theory of Stochastic Processes*
- Dynamics of Double Stochastic Operators  
Saburov, M. (2016) *Journal of Physics: Conference Series*
- [View all related documents based on references](#)
- [Find more related documents in Scopus based on:](#)
- [Author >](#) [Keywords >](#)

3 Lyubich, Y.  
(1992) *Mathematical Structures in Population Genetics*. Cited 182 times.

---

4 Saburov, M., Yusof, N.A.  
Counterexamples to the conjecture on stationary probability vectors of the second-order Markov chains

(2016) *Linear Algebra and Its Applications*, 507, pp. 153-157. Cited 6 times.  
doi: 10.1016/j.laa.2016.06.012

[View at Publisher](#)

---

5 Ulam, S.  
(1960) *A Collection of Mathematical Problems*. Cited 1197 times.

---

6 Zakharevich, M.I.  
On the behaviour of trajectories and the ergodic hypothesis for quadratic mappings of a simplex

(1978) *Russian Mathematical Surveys*, 33 (6), pp. 265-266. Cited 33 times.  
doi: 10.1070/RM1978v033n06ABEH003890

[View at Publisher](#)

---

7 Saburov, M.  
A class of nonergodic Lotka-Volterra operators

(2015) *Mathematical Notes*, 97 (5-6), pp. 759-763. Cited 7 times.  
<http://www.kluweronline.com/issn/0001-4346>  
doi: 10.1134/S0001434615050107

[View at Publisher](#)

---

8 Saburov, M.  
On divergence of any order cesáaro mean of Lotka-Volterra operators

(2015) *Annals of Functional Analysis*, 6 (4), pp. 247-254. Cited 8 times.  
<http://projecteuclid.org/euclid.afa/1435764015>  
doi: 10.15352/afa/06-4-247

[View at Publisher](#)

---

9 Ganikhodzhaev, R.N.  
On the definition of bistochastic quadratic operators

(1993) *Russian Mathematical Surveys*, 48 (4), pp. 244-246. Cited 26 times.  
doi: 10.1070/RM1993v048n04ABEH001058

[View at Publisher](#)

---

10 Ganikhodzhaev, R.  
(1993) *Study on Quadratic Stochastic Operators, Doctoral*. Cited 4 times.  
Phys.-Math.) Dissertation (Tashkent State University, Tashkent)

---

11 Ganikhodzhaev, R., Mukhamedov, F., Rozikov, U.  
Quadratic stochastic operators and processes: Results and open problems

(2011) *Infinite Dimensional Analysis, Quantum Probability and Related Topics*, 14 (2), pp. 279-335. Cited 88 times.  
doi: 10.1142/S0219025711004365

[View at Publisher](#)

---