

List of scientific papers

Lavinia-Elisabeta Sida, Lecturer Ph. D.

A. PhD Thesis

Periodically correlated multivariate stochastic distribution fields, West University of Timișoara, scientific coordinator: Gașpar Dumitru, Professor Ph. D. Prof. Univ. Dr.

B. Books:

1. G. MOT, L. GAGA, T. BULZAN, L. POPA, L. SIDA, G. ILA, *Matematici superioare pentru ingineri și economiști vol. I*, Ed. Viața arădeană, Arad, 2000, 256 p, ISBN: 973–9454–38-4
2. G. MOT, L. GAGA, T. BULZAN, L. POPA, L. SIDA, G. ILA, *Matematici superioare pentru ingineri și economiști vol. II*, Ed. Viața arădeană, Arad, 2000, 270 p, ISBN: 973–9454–37-2
3. G. MOT, L. GAGA, T. BULZAN, L. POPA, L. SIDA, *Exerciții și probleme de matematici superioare pentru profilurile tehnic și economic*, Ed. Viața arădeană, Arad, 2003, 630 p, ISBN: 973–86–288-2-2

Scientific Papers

C. Scientific papers published in journals/volumes indexed ISI/Web of Science

1. P. Gașpar, L. Sida, *Periodically correlated multivariate second order random distribution fields and stationary cross correlatedness*, Journal of Functional Analysis, Volume 267, Issue 7, 1 October 2014, Pages 2253-2263, ISSN 0022-1236, <http://dx.doi.org/10.1016/j.jfa.2014.07.019>.
2. P. Gașpar, S. Nădăban, L. Sida, *On vector valued periodic distributions*, Theory and Applications of Mathematics & Computer Science, **2(1) (2012)**, 1-9. [Zbl. 1288.60016]
3. L. POPA, L. SIDA., *Fuzzy Inner Product Space: Literature Review and a New Approach*, Mathematics, Vol. 9, nr. 7, 2021, doi:10.3390/math9070765

D. Scientific papers published/accepted for publication in journals indexed BDI

1. C. STOICA, L. SIDA, *Osculating convexity of first order for plane curves*, Stiintific Buletin of the Politehnica University of Timisoara, Series Mathematics-Physics, Tom 47 (61), Fascicle 1 (2002) 45 – 52, ISSN 1224-6069; [MR1947150(2003k:52002)], [Zbl 1052.53006]
2. Popa, L., Sida, L., Nădăban, S *Matrix Representations of Fuzzy Quaternion Numbers*, Theory and Applications of Mathematics & Computer Science, 7(1) (2017), 59-71, ISSN 2247–6202.

E. Scientific Papers in Proceeding of International Conferences

1. C. STOICA, L. SIDA, *Osculating convexity of superior order for plane curves*, Bulletins for Applied & Computer Mathematics, BAM1990-C/2003, PAMM Pannonian Applied Mathematical Meetings Center at the Technical University of Budapest (2002) 111 – 120, ISSN 0133-3526; [Zbl 1052.53006]
2. L. SIDA, *Rectangular osculating convexity of first order for plane curves*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2002), 136 – 141, ISSN 1582-344X
3. L. POPA, L. SIDA., *Applications of N-Limits in Classical analysis*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle 2 Mathematics- Computer Science (2002), 213 – 216, ISSN 1582-344X
4. L. POPA, A. ȘANDRU, L. SIDA, *Transportul de caldură prin conducție*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2004) 188 – 196, ISSN 1582-344X
5. L. SIDA, *Prediction of Stochastic Processes*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2008), 136 – 140, ISSN 2065-2569.
6. Gașpar, P., Sida, L., *The Fourier transform of a vector valued T – periodic distributions*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2012), 7 – 13, ISSN 2065 2569.
7. Sida, L., Gașpar, P., *The T - convolution product*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2014), 77 – 83, ISSN 206 2569.
8. Sida, L., Popa, L., Nădăban, S., *On fuzzy quaternion numbers*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2016), 149 – 152, ISSN 20652569.
9. Popa L., Sida L., Nădăban S., Dzitac I., *Why Need for Fuzzy Logic in High School*, Annals of the Aurel Vlaicu University of Arad, Series Mathematics, Fascicle Mathematics- Computer Science (2018), 100 – 104, ISSN 20652569
10. L. Sida, L. Popa, S. Nădăban and I. Dzițac, *Some Remarks on Fuzzy Hilbert Spaces*, International Symposium Research and Education in Innovation Era ISREIE'19 Arad, Romania, May 23-25, 2019.

Date:

Signature:

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