

Lista publicațiilor reprezentative – Sorea Miruna-Ștefana, 20 iunie 2024

Teza de doctorat susținută în 10.10.2018, Université de Lille, Franța:

(1)

The shapes of level curves of real polynomials near strict local minima

(Formele curbelor de nivel ale polinoamelor reale lângă minime locale stricte / Les formes des lignes de niveau des polynômes réels près d'un minimum local strict)

Sorea, Miruna-Ștefana

Link teza de doctorat: <https://tel.archives-ouvertes.fr/tel-01909028/document>

Teza de doctorat susținută în 10.10.2018, Université de Lille, Franța

Articole SCIE (Science Citation Index Expanded) publicate:

(2)

Combinatorial study of morsifications of real univariate singularities

Bodin, Arnaud; García Barroso, Evelia Rosa; Popescu-Pampu, Patrick; **Sorea, Miruna-Ștefana**

Accepted for publication in *Mathematische Nachrichten* (2024), 25 pag.

DOI 10.1002/mana.202300418

Link articol: <https://arxiv.org/abs/2306.04601>

(3)

Poincaré-Reeb graphs of real algebraic domains

Bodin, Arnaud; Popescu-Pampu, Patrick; **Sorea, Miruna-Ștefana**

Revista Matematica Complutense 37 (2024), pp. 473–507, 35 pag.

DOI 10.1007/s13163-023-00469-y

Link articol: <https://link.springer.com/article/10.1007/s13163-023-00469-y>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000993351400001>

(4)

The Disguised Toric Locus and Affine Equivalence of Reaction Networks

Haqee, Sabina J.; Satriano, Matthew; **Sorea, Miruna-Ștefana**; Yu, Polly Y.

SIAM Journal on Applied Dynamical Systems 22 (2023), no. 2, pp. 1423-1444, 22 pag.

DOI 10.1137/22M149853X

Link articol: <https://epubs.siam.org/eprint/WP278QE7RACQJDUIFDX/ful>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:001030775500003>

(5)

Symmetrically colored Gaussian graphical models with toric vanishing ideals

Coons, Jane I.; Maraj, Aida; Misra, Pratik; **Sorea, Miruna-Ștefana**

SIAM Journal on Applied Algebra and Geometry 7 (2023), no. 1, pp. 133-158, 26 pag.

DOI 10.1137/21M1466943

Link articol: <https://epubs.siam.org/doi/10.1137/21M1466943>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:001001364400005>

(6)

Permutations encoding the local shape of level curves of real polynomials via generic projections

Sorea, Miruna-Ștefana

Annales de l'Institut Fourier (Grenoble) 72 (2022), no. 4, pp. 1661-1703, 43 pag.

DOI 10.5802/aif.3479

Link articol: <https://aif.centre-mersenne.org/articles/10.5802/aif.3479/>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000890392600010>

(7)

Families of polytopes with rational linear precision in higher dimensions

Davies, Isobel; Duarte, Eliana; Portakal, Irem; **Sorea, Miruna-Ștefana**

Foundations of Computational Mathematics (2022), pp. 1-52, 52 pag.

DOI 10.1007/s10208-022-09583-7

Link articol: <https://link.springer.com/article/10.1007/s10208-022-09583-7>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000837516200001>

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(8)

Exact solutions in log-concave maximum likelihood estimation

Grosdos, Alexandros; Heaton, Alexander; Kubjas, Kaie; Kuznetsova, Olga;

Scholten, Georgy; **Sorea, Miruna-Ștefana**

Advances in Applied Mathematics 143 (2023), Paper No. 102448, pp. 1-32, 32 pag.

DOI 10.1016/j.aam.2022.102448

Link articol: <https://www.sciencedirect.com/science/article/pii/S0196885822001324>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000878742400005>

(9)

Disguised toric dynamical systems

Brustenga i Moncusí, Laura; Crăciun, Gheorghe; **Sorea, Miruna-Ștefana**

Journal of Pure and Applied Algebra 226 (2022), no. 8, Paper No. 107035, pp. 1-24, 24 pag.

DOI 10.1016/j.jpaa.2022.107035

Link articol: <https://www.sciencedirect.com/science/article/abs/pii/S0022404922000317>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000778651000017>

(10)

Measuring the local non-convexity of real algebraic curves

Sorea, Miruna-Ștefana

Journal of Symbolic Computation 109 (2022), pp. 482-509, 28 pag.

DOI 10.1016/j.jsc.2020.07.017

Link articol: <https://www.sciencedirect.com/science/article/abs/pii/S0747717120300729?via%3Dihub>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000704001500026>

(11)

A quadratic identity in the shuffle algebra and an alternative proof for de Bruijn's formula

Colmenarejo, Laura; Diehl, Joscha; **Sorea, Miruna-Ștefana**

European Journal of Combinatorics 99 (2022), Paper No. 103406, pp.1-20, 20 pag.

DOI 10.1016/j.ejc.2021.103406

Link articol: <https://www.sciencedirect.com/science/article/abs/pii/S0195669821000986?via%3Dihub>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000703568300012>

(12)

Constructing separable Arnold snakes of Morse polynomials

Sorea, Miruna-Ștefana

Portugaliae Mathematica 77 (2020), no. 2, pp. 219-260, 42 pag.

DOI 10.4171/PM/2050

Link articol: <https://ems.press/journals/pm/articles/17210>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000581579100004>

Articole ESCI (Emerging Sources Citation Index) publicate:

(13)

A generalization of the space of complete quadrics

Al Ahmadieh, Abeer; Kummer, Mario; **Sorea, Miruna-Ștefana**

Le Matematiche (Catania) 76 (2021), no. 2, pp. 431-446, 16 pag.

DOI 10.4418/2021.76.2.9

Link articol: <https://lematematiche.dmi.unict.it/index.php/lematematiche/article/view/2251>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000716999100008>

(14)

On the eigenpoints of cubic surfaces

Çelik, Türkü Özlüm; Galuppi, Francesco; Kulkarni, Avinash; **Sorea, Miruna-Ștefana**

Le Matematiche (Catania) 75 (2020), no. 2, pp. 611-625, 15 pag.

DOI 10.4418/2020.75.2.13

Link articol: <https://lematematiche.dmi.unict.it/index.php/lematematiche/article/view/2003>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:000587732000013>