

## Lista publicațiilor – Sorea Miruna-Ștefana, 8 aprilie 2025

**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)

*Adjoint and canonical forms of polypols*

Kohn, Kathlén; Piene, Ragni; Ranestad, Kristian, Rydell, Felix, Shapiro, Boris, Sinn, Rainer, **Sorea, Miruna-Ștefana**, Telen, Simon

**Documenta Mathematica** 30 (2025), No. 2, pp. 275–346, 72 pag.

DOI: 10.4171/DM/991

Link articol: <https://ems.press/journals/dm/articles/14298670>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:001450119900002>

Scorul Relativ de Influență al revistei (iunie 2024) = 2.514

**SCIE Q1 conform AIS (iunie 2024)**

(3)

*The structure of the toric locus of a reaction network*

Crăciun, Gheorghe; Jin, Jiabin; **Sorea, Miruna-Ștefana**

**Nonlinearity** 38 (2025), number 1, pp. 1-28, 28 pag.

DOI: 10.1088/1361-6544/ad9c0b

Link articol: <https://iopscience.iop.org/article/10.1088/1361-6544/ad9c0b>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:001388447000001>

Scorul Relativ de Influență al revistei (iunie 2024) = 2.343

**SCIE Q1 conform AIS (iunie 2024)**

(4)

*Combinatorial study of morsifications of real univariate singularities*

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

**Mathematische Nachrichten** (2024), 25 pag.

DOI 10.1002/mana.202300418

Link articol: <https://onlinelibrary.wiley.com/doi/10.1002/mana.202300418>

Link WoS: <https://www.webofscience.com/wos/woscc/full-record/WOS:001265615500001>

Scorul relativ de influență al revistei (iunie 2024)=1.396

**SCIE Q2 conform AIS (iunie 2024)**

(5)

*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>

Scorul relativ de influență al revistei (iunie 2024)=1.864

**SCIE Q2 conform AIS (iunie 2024)**

(6)

*The Disguised Toric Locus and Affine Equivalence of Reaction Networks*

Haque, 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/WP278QE7RACQJDUIFDXY/full>

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

Scorul relativ de influență al revistei (iunie 2024)=2.205

**SCIE Q1 conform AIS (iunie 2024)**

## Lista publicațiilor – Sorea Miruna-Ștefana, 8 aprilie 2025

(7)

*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>

Scorul relativ de influență al revistei (iunie 2024)=3.114

**SCIE Q1 conform AIS (iunie 2024)**

(8)

*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>

Scorul relativ de influență al revistei (iunie 2024)=3.153

**SCIE Q1 conform AIS (iunie 2024)**

(9)

*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>

Scorul relativ de influență al revistei (iunie 2024)=6.245

**SCIE Q1 conform AIS (iunie 2024)**

(10)

*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>

Scorul relativ de influență al revistei (iunie 2024)=1.272

**SCIE Q2 conform AIS (iunie 2024)**

(11)

*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>

Scorul relativ de influență al revistei (iunie 2024)=1.617

**SCIE Q2 conform AIS (iunie 2024)**

(12)

*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>

Scorul relativ de influență al revistei (iunie 2024)=0.891

**SCIE Q3 conform AIS (iunie 2024)**

## Lista publicațiilor – Sorea Miruna-Ștefana, 8 aprilie 2025

(13)

*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>

Scorul relativ de influență al revistei (iunie 2024)=1.827

**SCIE Q2 conform AIS (iunie 2024)**

(14)

*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>

Scorul relativ de influență al revistei (iunie 2024)=1.225

**SCIE Q2 conform AIS (iunie 2024)**

### **Articole ESCI (Emerging Sources Citation Index) publicate:**

(15)

*A generalization of the space of complete quadrics*

Al Ahmadi, 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>

(16)

*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>