

Lista de lucrări

Candidat: Şuteu-Szöllősi Ştefan Lucian

a) Cele mai relevante 10 lucrări pentru domeniul disciplinelor postului

1. Cs. Szántó, **I. Szöllősi**, *On some Ringel-Hall polynomials associated to tame indecomposable modules*, Journal of Pure and Applied Algebra, Volume 228, Issue 5, 2024, 107555, ISSN 0022-4049, <https://doi.org/10.1016/j.jpaa.2023.107555>
2. Cs. Szántó, **I. Szöllősi**, *Combinatorial methods in the representation theory of finite dimensional tame algebras*, Presa Universitară Clujeană, 2023, ISBN 978-606-37-2010-9, <http://www.editura.ubbcluj.ro/bd/ebooks/pdf/3882.pdf>
3. Sz. Lénárt, Á. Lőrinczi, Cs. Szántó, **I. Szöllősi**, *Tree representations of the quiver Dm^{\sim}* , Colloquium Mathematicum, Volume 167, 2022, Pages 261-302, ISSN 0010-1354, <https://doi.org/10.4064/cm8270-11-2020>
4. Cs. Szántó, **I. Szöllősi**, *Schofield sequences in the Euclidean case*, Journal of Pure and Applied Algebra, Volume 225, Issue 5, 2021, 106586, ISSN 0022-4049, <https://doi.org/10.1016/j.jpaa.2020.106586>
5. K. Csiszter, M. Domokos, **I. Szöllősi**, *The Noether numbers and the Davenport constants of the groups of order less than 32*, Journal of Algebra, Volume 510, 2018, Pages 513-541, ISSN 0021-8693, <https://doi.org/10.1016/j.jalgebra.2018.02.040>
6. Cs. Szántó, **I. Szöllősi**, *A short solution to the subpencil problem involving only column minimal indices*, Linear Algebra and its Applications, Volume 517, 2017, Pages 99-119, ISSN 0024-3795, <https://doi.org/10.1016/j.laa.2016.12.002>
7. Cs. Szántó, **I. Szöllősi**, *Hall polynomials and the Gabriel–Roiter submodules of simple homogeneous modules*, Bulletin of the London Mathematical Society, Volume 47, Issue 2, 2015, Pages 206-216, ISSN 0024-6093, <https://doi.org/10.1112/blms/bdu109>
8. **I. Szöllősi**, *Computing the extensions of preinjective and preprojective Kronecker modules*, Journal of Algebra, Volume 408, 2014, Pages 205-221, ISSN 0021-8693, <https://doi.org/10.1016/j.jalgebra.2013.09.003>
9. C. S. Pinteá, **I. Szöllősi**, *An Introduction to Linear Algebra*, Presa Universitară Clujeană, 2014, ISBN 978-973-595-212-9, <http://www.editura.ubbcluj.ro/www/ro/book2.php?id=1654>
10. S. Crivei, **Ş. Şuteu Szöllősi**, *Subgroup lattice algorithms related to extending and lifting abelian groups*, International Electronic Journal of Algebra, Volume 2, 2007, Pages 54-70, ISSN 1306-6048, <http://ieja.net/files/papers/volume-2/Volume-1--2007/4-V2-2007.pdf>

b) Teza de doctorat

Titlul tezei: Kronecker modules and matrix pencils (Module Kronecker și fascicule de matrice)

Conducătorul de doctorat: Prof. univ. dr. Andrei-Dorin Mărcuș

Data susținerii tezei de doctorat: 20.12.2011

Titlul științific de doctor în domeniul matematică obținut în baza Ordinului Ministrului Educației, Cercetării, Tineretului și Sportului nr. 3818 din 26.04.2012.

c) Brevete de invenție și alte titluri de proprietate industrială

d) Cărți și capitole în cărți

1. Cs. Szántó, **I. Szöllősi**, *Combinatorial methods in the representation theory of finite dimensional tame algebras*, Presa Universitară Clujeană, 2023, ISBN 978-606-37-2010-9, <http://www.editura.ubbcluj.ro/bd/ebooks/pdf/3882.pdf>
2. C. S. Pinte, **I. Szöllősi**, *An Introduction to Linear Algebra*, Presa Universitară Clujeană, 2014, ISBN 978-973-595-212-9, <http://www.editura.ubbcluj.ro/www/ro/book2.php?id=1654>
3. Cs. Szántó, **I. Șuteu Szöllősi**, *Kriptográfia*, Presa Universitară Clujeană, 2010, ISBN 978-973-610-973-7, <http://www.editura.ubbcluj.ro/www/ro/book2.php?id=1034>

e) Articole/studii in extenso, publicate în reviste din fluxul științific internațional principal

Articole ISI:

1. Cs. Szántó, **I. Szöllősi**, *On some Ringel-Hall polynomials associated to tame indecomposable modules*, Journal of Pure and Applied Algebra, Volume 228, Issue 5, 2024, 107555, ISSN 0022-4049, <https://doi.org/10.1016/j.jpaa.2023.107555>
2. Cs. Szántó, **I. Szöllősi**, *Ringel-Hall polynomials associated to a quiver of type D_4^\sim* , Periodica Mathematica Hungarica, Volume 88, Issue 1, 2024, Pages 218-242, ISSN 1588-2829, <https://doi.org/10.1007/s10998-023-00549-y>
3. Sz. Lénárt, Á. Lőrinczi, Cs. Szántó, **I. Szöllősi**, *Tree representations of the quiver D_m^\sim* , Colloquium Mathematicum, Volume 167, 2022, Pages 261-302, ISSN 0010-1354, <https://doi.org/10.4064/cm8270-11-2020>
4. Sz. Lénárt, Á. Lőrinczi, **I. Szöllősi**, *Tree representations of the quiver E_6^\sim* , Colloquium Mathematicum, Volume 164, 2021, Pages 221-250, ISSN 0010-1354, <https://doi.org/10.4064/cm7931-1-2020>
5. Cs. Szántó, **I. Szöllősi**, *Schiffman sequences in the Euclidean case*, Journal of Pure and Applied Algebra, Volume 225, Issue 5, 2021, 106586, ISSN 0022-4049, <https://doi.org/10.1016/j.jpaa.2020.106586>

6. Cs. Szántó, **I. Szöllősi**, *On some Hall polynomials over a quiver of type \tilde{D}_4* , Acta Universitatis Sapientiae, Mathematica, Volume 12, Issue 2, 2020, Pages 395-404, ISSN 1844-6094, <https://doi.org/10.2478/ausm-2020-0028>
7. K. Cziszter, M. Domokos, **I. Szöllősi**, *The Noether numbers and the Davenport constants of the groups of order less than 32*, Journal of Algebra, Volume 510, 2018, Pages 513-541, ISSN 0021-8693, <https://doi.org/10.1016/j.jalgebra.2018.02.040>
8. Cs. Szántó, **I. Szöllősi**, *A short solution to the subpencil problem involving only column minimal indices*, Linear Algebra and its Applications, Volume 517, 2017, Pages 99-119, ISSN 0024-3795, <https://doi.org/10.1016/j.laa.2016.12.002>
9. Cs. Szántó, **I. Szöllősi**, *Hall polynomials and the Gabriel–Roiter submodules of simple homogeneous modules*, Bulletin of the London Mathematical Society, Volume 47, Issue 2, 2015, Pages 206-216, ISSN 0024-6093, <https://doi.org/10.1112/blms/bdu109>
10. **I. Szöllősi**, *Computing the extensions of preinjective and preprojective Kronecker modules*, Journal of Algebra, Volume 408, 2014, Pages 205-221, ISSN 0021-8693, <https://doi.org/10.1016/j.jalgebra.2013.09.003>
11. **I. Szöllősi**, *On the combinatorics of extensions of preinjective Kronecker modules*, Acta Universitatis Sapientiae, Mathematica, Volume 6, Issue 1, 2014, Pages 92-106, ISSN 1844-6094, <https://doi.org/10.2478/ausm-2014-0020>
12. **I. Szöllősi**, *The extension monoid product of preinjective and preprojective Kronecker modules*, Acta Scientiarum Mathematicarum, Volume 80, Issue 3, 2014, Pages 419-432, ISSN 0001-6969, <https://doi.org/10.14232/actasm-012-315-9>
13. Cs. Szántó, **I. Szöllősi**, *On preprojective short exact sequences in the Kronecker case*, Journal of Pure and Applied Algebra, Volume 216, Issue 5, 2012, Pages 1171-1177, ISSN 0022-4049, <https://doi.org/10.1016/j.jpaa.2011.10.011>
14. Cs. Szántó, **I. Szöllősi**, *The terms in the Ringel–Hall product of preinjective Kronecker modules*, Periodica Mathematica Hungarica, Volume 63, Issue 2, 2011, Pages 227-244, ISSN 1588-2829, <https://doi.org/10.1007/s10998-011-8227-5>
15. S. Crivei, **Ş. Şuteu Szöllősi**, *Subgroup lattice algorithms related to extending and lifting abelian groups*, International Electronic Journal of Algebra, Volume 2, 2007, Pages 54-70, ISSN 1306-6048, <http://iej.net/files/papers/volume-2/Volume-1--2007/4-V2-2007.pdf>

Articole BDI:

1. **I. Szöllősi**, *The extension monoid product of preinjective Kronecker modules*, Mathematica (Cluj), Volume 55, Issue 78, 2013, Pages 75-88, ISSN 1222-9016, <https://math.ubbcluj.ro/~mathjour/fulltext/2013-1/szollosi.pdf>
2. C. Săcărea, Cs. Szántó, **I. Şuteu Szöllősi**, *Combining the Solitaire Encryption Algorithm with lagged Fibonacci pseudorandom number generators*, Mathematica (Cluj), Volume 51, Issue 74, 2009, Pages 163-171, ISSN 1222-9016, <https://math.ubbcluj.ro/~mathjour/fulltext/2009-2/sacarea-szanto-szollosi.pdf>

f) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

1. S. Crivei, G. Olteanu, Ș. Șuteu Szöllősi, *ELISA – A collection of GAP Algorithms Related to Extending Abelian Groups*, EACA 2008: XI Encuentro de Álgebra Computacional y Aplicaciones, Granada, Pages 163-166. 2008, <https://dialnet.unirioja.es/servlet/articulo?codigo=6179375>

g) Alte lucrări și contribuții științifice sau, după caz, din domeniul creației artistice

1. Sz. Lénárt, Á. Lőrinczi, Cs. Szántó, I. Szöllősi, *Proof of the tree module property for exceptional representations of tame quivers*, arXiv:2001.00016, 2021, <https://doi.org/10.48550/arXiv.2001.00016>
2. S. Crivei, G. Olteanu, Ș. Șuteu Szöllősi, *ELISA. A collection of GAP algorithms related to extending and lifting abelian groups*, 2006, http://math.ubbcluj.ro/~crivei/GAP_project

Cluj-Napoca
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