LISTA DE LUCRĂRI

LÁSZLÓ TAMÁS

1. LUCRĂRI RELEVANTE PENTRU REALIZĂRILE PROFESIONALE PROPRII

(1) T. László, *On a canonical polynomial for links of elliptic singularities*, **arXiv:2201.10837** [math.GT] (2022)

(2) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi
Local invariants of minimal generic curves on rational surfaces
AMS Contemp. Math. Vol. 778 (2022), DOI: https://doi.org/10.1090/conm/778/15660

(3) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi
Delta invariant of curves on rational surfaces I. The analytic approach
Comm. in Contemporary Mathematics (2021),
DOI: https://doi.org/10.1142/S0219199721500528

(4) T. László, A. Némethi
On the geometry of strongly flat semigroups and their generalizations
in Proceedings of the conference "A Panorama of Singular Varieties (celebration of Prof. Lê Dũng Tráng's 70th birthday)"
AMS Contemp. Math. (2020), DOI: https://doi.org/10.1090/conm/742/14941

(5) T. László, J. Nagy, A. Némethi
Combinatorial duality for Poincaré series, polytopes and invariants of plumbed 3-manifolds
Selecta Math. New Ser. (2019) 25: 21, DOI: https://doi.org/10.1007/s00029-019-0468-9

(6) T. László, J. Nagy, A. Némethi
Surgery formulae for the Seiberg-Witten invariant of plumbed 3-manifolds
Revista Mat. Complutense (2019), DOI: 10.1007/s13163-019-00297-z

(7) T. László, Zs. Szilágyi
On Poincaré series associated with links of normal surface singularities
Transactions of AMS Vol. 372, No. 9, 6403–6436 (2019)
DOI: https://doi.org/10.1090/tran/7802

(8) T. László, Zs. Szilágyi
Némethi's division algorithm for zeta-functions of plumbed 3-manifolds
Bulletin of London Math. Soc. 50 (2018), 1035–1055

(9) T. László, A. Némethi
Reduction theorem for lattice cohomology
International Mathematics Research Notices 2015: (11) pp. 2938-2985 (2015)

(10) T. László, A. Némethi
Ehrhart theory of polytopes and Seiberg–Witten invariants of plumbed 3–manifolds
Geometry & Topology 18: (2) pp. 717-778. (2014)

2. Teză de doctorat

(1) T. László
Lattice cohomology and Seiberg–Witten invariants of normal surface singularities
Ph.D. thesis, www.etd.ceu.hu/2014/laszlo_tamas.pdf, 2013

3. Cărţi şi capitole în cărţi

(1) T. László, *Poincaré series and polynomials for links of normal surface singularities* (în lb. engleză), **Editura Presa Universitară Clujeană** (2022), ISBN: 978-606-37-1465-8

(2) T. László, A. Marcus, Cs. Szántó, *Algebră liniară* (în lb. maghiară), **Editura Presa Universitară Clujeană** (2022), ISBN: 978-606-37-1354-5

(3) J. Fernández de Bobadilla, T. László, A. Stipsicz (editors), *Singularities and Their Interaction with Geometry and Low Dimensional Topology, In Honor of András Némethi*, **Birkhäuser Trends in Math.**, ISBN: 978-3-030-61957-2

(4) Sz. András, H. Csapó, T. László, M. Szilágyi, J. Szilágyi
Soluţiile problemelor din manualul de matematică pentru clasa a XII-a (în limba maghiară), Ed. Státus, Miercurea-Ciuc, România, 2005.

4. Articole publicate în reviste din fluxul ştiinţific internaţional principal

(1) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi, *Delta invariant of curves on rational surfaces I. The analytic approach*, **Comm. in Contemporary Mathematics** (2021),
DOI: https://doi.org/10.1142/S0219199721500528

(2) T. László, J. Nagy, A. Némethi. *Combinatorial duality for Poincaré series, polytopes and invariants of plumbed 3-manifolds*, **Selecta Math. New Ser.** (2019) 25: 21,
DOI: https://doi.org/10.1007/s00029-019-0468-9

(3) T. László, J. Nagy, A. Némethi. *Surgery formulae for the Seiberg-Witten invariant of plumbed 3-manifolds*, **Revista Mat. Complutense** (2019), DOI: 10.1007/s13163-019-00297-z

(4) T. László, Zs. Szilágyi. *On Poincaré series associated with links of normal surface singularities*, **Transactions of AMS** Vol. 372, No. 9, 6403–6436 (2019), DOI: https://doi.org/10.1090/tran/7802

(5) T. László, Zs. Szilágyi, *Némethi's division algorithm for zeta-functions of plumbed 3-manifolds*, **Bulletin of London Math. Soc.** 50 (2018), 1035–1055

(6) T. László, Zs. Szilágyi, *Non-normal affine monoids, modules and Poincaré series of plumbed 3-manifolds*, **Acta Mathematica Hungarica** 152: (2) pp. 421–452 (2017)

(7) T. László, A. Némethi, *Reduction theorem for lattice cohomology*, **International Mathematics Research Notices** 2015: (11) pp. 2938-2985 (2015)

(8) T. László, A. Némethi, *Ehrhart theory of polytopes and Seiberg–Witten invariants of plumbed 3–manifolds*, **Geometry & Topology** 18: (2) pp. 717-778 (2014)

5. PUBLICAŢII APĂRUTE ÎN LUCRĂRI ALE PRINCIPALELOR CONFERINŢE INTERNAŢIONALE DE SPECIALITATE

(1) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi, *Local invariants of minimal generic curves on rational surfaces*, **AMS Contemp. Math.** Vol. 778 (2022), DOI: https://doi.org/10.1090/conm/778/15660

(2) T. László, A. Némethi, *On the geometry of strongly flat semigroups and their generalizations*, în volumul conferinţei internaţionale "A Panorama of Singular Varieties (celebration of Prof. Lê Dũng Tráng's 70th birthday)"
AMS Contemp. Math. (2020), DOI: https://doi.org/10.1090/conm/742/14941

6. ALTE LUCRĂRI

6.1. **Prepublicaţii.**

(1) T. László, *On a canonical polynomial for links of elliptic singularities*, **arXiv:2201.10837** [math.GT] (2022)

(2) T. László, J. Nagy, *Brill-Noether problem on splice quotient singularities and duality of topological Poincaré series*, **arXiv:2107.02206** [math.AG] (2021)

(3) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi, *The delta invariant of curves on rational surfaces II: Poincaré series and topological aspects*, **arXiv:2003.07110** [math.GT] (2020)

6.2. **Manuscrise în pregătire.**

(1) Zs. Baja, T. László, *Flat semigroups and weighted homogeneous singularities*, manuscris în pregătire (2022)

(2) J.I. Cogolludo-Agustín, T. László, J. Martín-Morales, A. Némethi, *On the conductor of curves in rational surface singularities*, manuscris în pregătire (2022)

(3) T. László, A. Némethi, *Link lattice cohomology*, manuscris în pregătire (2022)

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