

PUBLICATIONS of DANIEL MATEI

Published papers:

1. *Homotopy types of complements of 2-arrangements in \mathbb{R}^4* , with A. Suciu, *Topology* 39 (2000), no. 1, 61–88;
2. *Cohomology rings and nilpotent quotients of real and complex arrangements*, with A. Suciu, in *Arrangements - Tokyo 1998*, Adv. Stud. in Pure Math., vol. 27, Math. Soc. Japan, Tokyo, 2000, 185–215;
3. *Hall Invariants, homology of subgroups and characteristic varieties*, with A. Suciu, *International Math. Research Notices* 9 (2002),465-503;
4. *Counting homomorphisms onto finite solvable groups*, with A. Suciu, *J. of Algebra* 286 (2005), 161-186.
5. *Pro- p link groups and p -homology groups*, with J. Hillman, M. Morishita, in *Primes and knots*, *Contemp. Math.* 416 (2006), 121-136, A.M.S.
6. *Massey products of complex hypersurface complements*, in *Singularity theory and its applications*, Adv. Stud. in Pure Math., vol. 43, Math. Soc. Japan, 2006, 205–219;
7. *Homology of finite index subgroups of finitely presented groups*, *An. Stiint. Univ. Al. I. Cuza Iasi. Mat.* 53 (2007), 241–276.

Papers to appear

1. *Quasi-projectivity, Artin-Tits groups and pencil maps*, with E.Artal-Bartolo, J.I.Cogolludo-Agustin; [arXiv:1005.5225](#), to appear in the Lib60ber Conference Proceedings, A.M.S. Contemporary Mathematics.
2. *Cohomology algebra of plane curves, weak combinatorial type, and formality*, with J.I.Cogolludo-Agustin; [arXiv:0711.1951](#), to appear in *Trans. of the A.M.S.*

Preprints Submitted

1. *Characteristic varieties of quasi-projective manifolds and orbifolds*, with E.Artal-Bartolo, J.I.Cogolludo-Agustin; [arXiv:1005.4761](#).
2. *Hyperplane arrangements of Torelli type*, with D. Faenzi, J. Vallès; [arXiv:1011.4611](#).

Preprints

1. *Arrangements of hypersurfaces and Bestvina-Brady groups*. with E.Artal-Bartolo, J.I.Cogolludo-Agustin; *Oberwolfach Reports*, 4:2347–2348, 2007.